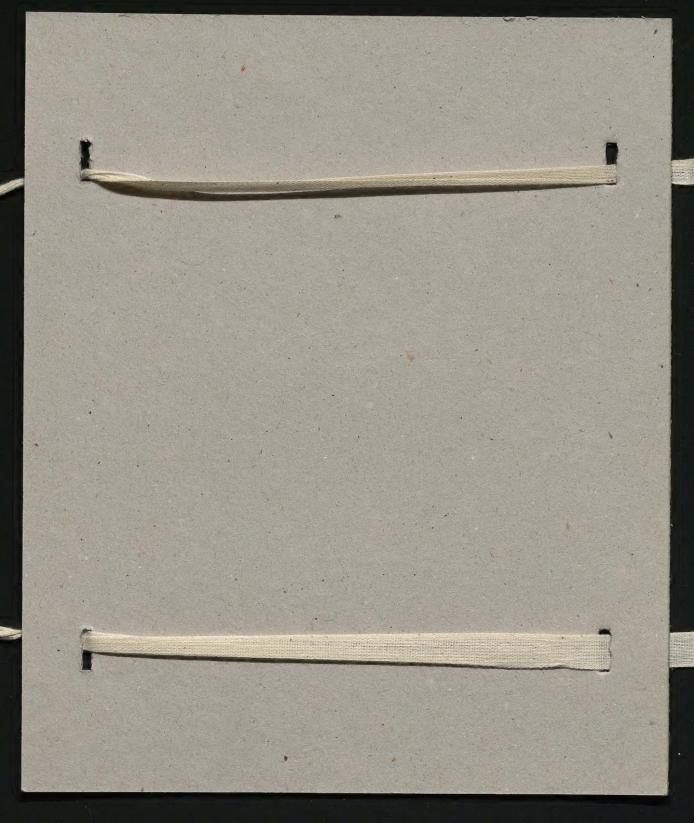
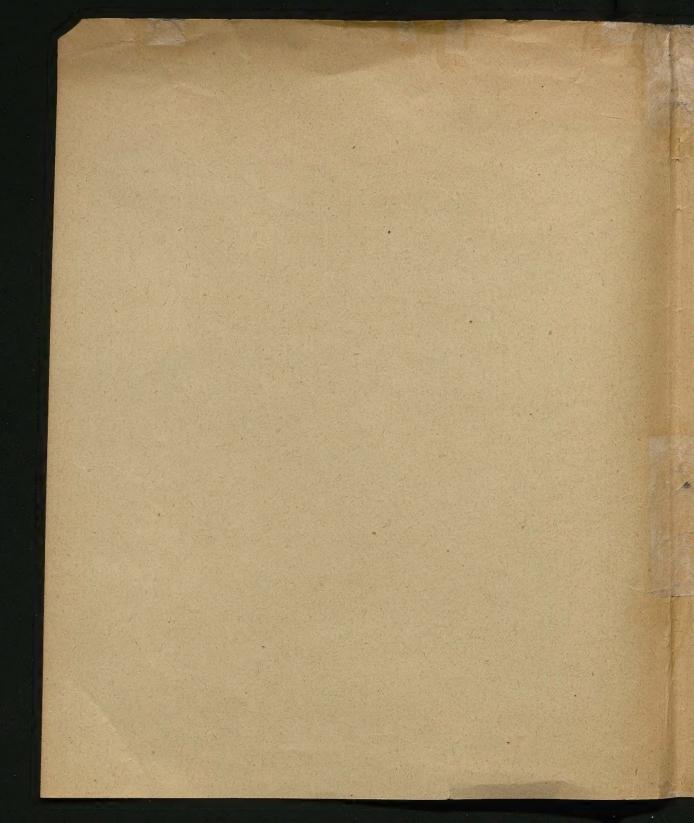
9409

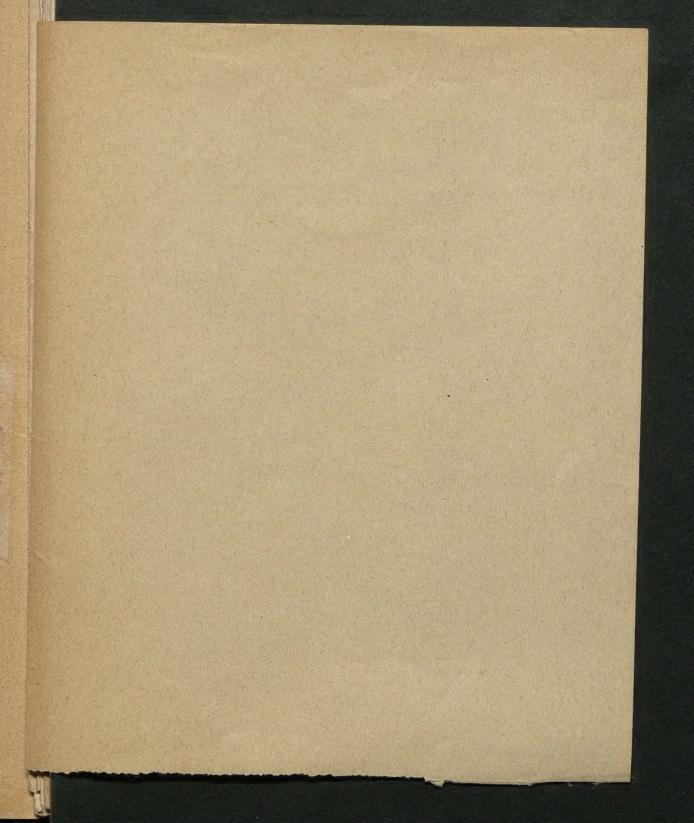
Bibl. Jag.

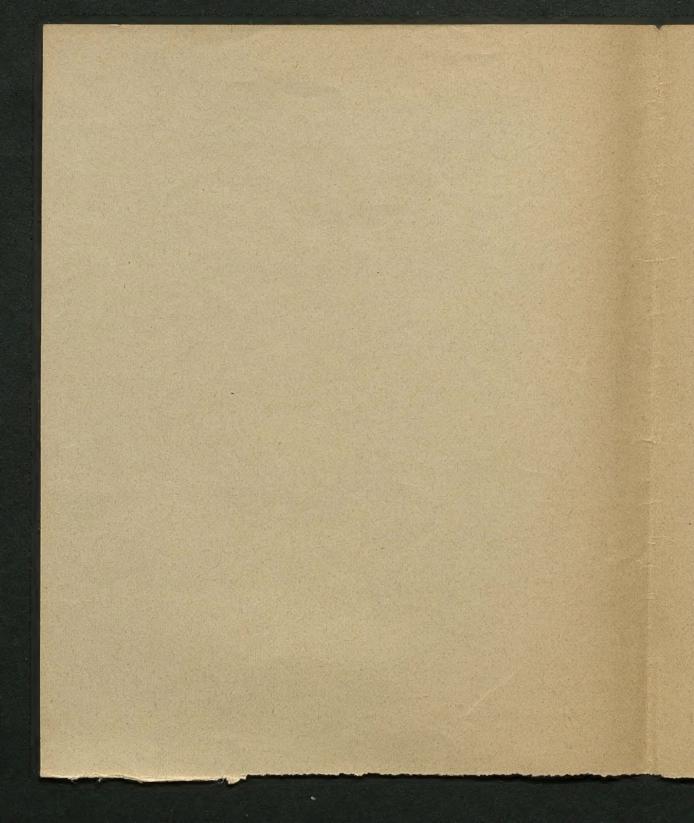
H



9409 B3 Motaski' 2 rasno Almojon







Electrical Review XXXIX p. 487

On the destrical resistivity of bismutt, of the temper of lig. air.

James Swar & J. A. Flenning

temp. in Nagneti's field C 95

temp. in	1 Nagne	to file		
temp. ir slotimm dyrees	0	1,400	2,750	
200		1.700		out ting.
-2020	0.5723	300		in liquid air

Researches about T tetrocus 6° and 100° see . J. O. Henderson Ph. M. XXXVIII F4 x 488) Letrocus 6 and 22, 700 C85.

Brownth opplied was furnished by Noors. Hartmann & Drawn: exceedingly pure electrolytical tismuth-vire length 80:85 cm, diem.: 6.05245 cm; very soft

temp.	ohms	CSS procmi	
+ 60°5	4.9857	133,250	
+190	4.34 64	116,180	
- 61-2	3.1275	83,590	in CO2 and other
-20202	1.5256	40,780	in liquid sir

resistivity at 00: 108,000 whils Notthiese found for his bismuth 129, 700

There is no minimum reached (contrary to earlier experiences d'on less pure Br': Ohil. Nog 96 1.203). Curve goes towards -2700 =0 Ingeretures measured with platimm ine - thermometer deserabet in: Sever & Flerning Thermo electric lower of Alals and Alloys at the Oboling Coint of Zignin Sir Mil. Nay. # \$5 July 2.100 Electrician XXXVII 25/9 76 1.701 Regard on Out. Am at Lougal: Z. U., O, I I Ostential regions to you between 2 joints detact 15 mm: 2-3000 3000 V. william at 1000 chin. only a few score of volts to some of volts to below 55 merendy again increasing 1stm. 3000 v. 0.6 melleng. 5,000.000 : 5000 1.95 8000 6.5

1

V

de

n

1

181

4

James Dewor LLD, FRS Orf of Chem. Poyal Institution
J. A. Flenning MA. D. Sc. FRS " El. Eng. University Collyn Zonden
Electricia XXXVII 23/10 \$6 1.829
Sunstrong's Theorie of Shetslyr's see Elut 86 February
9/10 \$6 2.765
Measurement of electric currents though air at different
densities down to one five-nullionth of the density of .
ordinary air.) eyhindstel tale 13 om lorg, 1/2 om diam., aluminium
terminals points dest 1:5 am
3,000 7.2 mothro empire at ordinary pressure
8,000 63.2
56 mikroemp. were oblement with 7,400 1.090 700 370 405 570 Wess expressures
7.400 1.090 10 1/22 1/55 mm =
4 420 44 4 1/2 1/22 0.00004 0.00000 0.000054
1 0 038 0 0093
3000 1.3 5000 4.4 et pressure of 5,000,000
8000 14.6

Thomson Copular lectures p. 18. Teriod of vibration of water chaps: = \frac{1}{4 a^3/2} T = 1/32 rec. a = 1/4 cm 2:54 4 16 16 13,200 1,407 J. J. Thomason put of us stop. Al Cambridge MA. FRS. True. R. S. 56 Kelin Noilean On the Slephifreation of air. Mayer strop exeporates, therefore air vapour must carry every electe. If sufferently to shir it. Charged air through point, tested with dry elects; Results negati elect. relained not so long as t dust makes no difference; but also electif by viate drigging Thalf, this depends on dust. For stalle equal, of sheter their air in ear duction enclosure necessary that surfaces of equal elect volu desity = surfaces of equal potential. Fici sphere = depleto put of air at the V = 472 / p (2 - a) de donn dary and of the centre = the total quant distable through the air a the egid and opposite on the inner boundary d.m. Supr pe cont. V= = = 72022 Fi. V= 38 V = 0.427 go, a=50, p= 2.4. 10 5 electrost force = 10 % | n=15: 4.8 % of the growth fam. Harrison & non growters A Martins land

	Lampen à 16 Kerzen Lichtstärke				Lampen à 32 Kerzen Lichtstärke			
	Edison	Swan	Lane Fox	Maxim	Edison	Swan	Lane Fox	Maxim
Kerzenstärke · · · · ·	15.38	16,61	16,36	15,96	31.11	32.21	32.71	31.93
Ohms · · · · · · ·	137.4	32. 78	27,40	41.11	130,03	31.75	26.59	39.60 .
Volts · · · · · · ·	89.11	47.30	43.63	•	98 39	54 21	18.22	62.27
Ampères · · · · ·	0.651	1.471	1 593	1.380	0.7585	1.758	1,815	1.578
Volt-Ampères · · · ·	57.98	69.24	69,53	78.05	74.62	94.88	87.65	98.41
Kgmtr.	5.911	7.059	7.089	7.939	7.604	9.67	8,936	10.03
Lampe pro HP.	12.73	10.71	10.61	9.48	9 88	7,90	8 47	7.50
Kerzen pro HP. · · ·	196 4	177 92	173.85	151.27	307.25	262,19	276.89	239.41



Fig. 34.

des spröden Kohlenbügels sofort zerbrechen, wogegen, wenn die Schrauben weniger fest angezogen werden, der Strom in Folge des schlechten Contactes bei seinem Uebergange aus den Drähten einen grossen Widerstand finden, an den Berührungsstellen Platin und Kohle glühend machen, ersteres schmelzen und somit in kurzer Zeit die ganze Verbindung zerstören würde. Der solcherart präparirte Bügel wird nun in die Glasglocke so weit

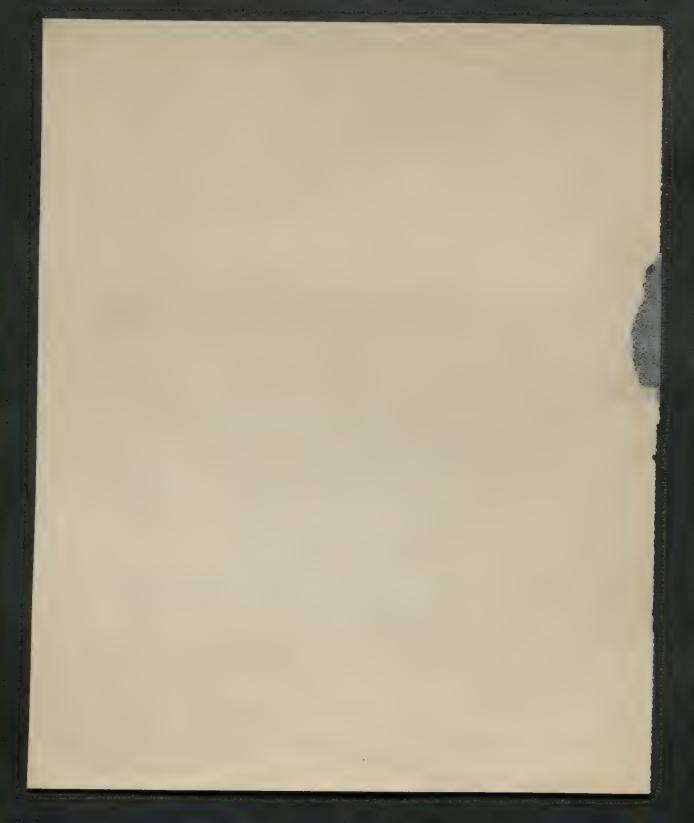
eingeführt, dass die Kohle etwa in die Mitte der Glocke zu stehen kommt. Nun werden die Platindrähte in den Lampenhals eingeschmolzen, wird die Luft aus der Glocke durch den trichterförmigen Ansatz derselben ausgepumpt und die Glocke selbst mit Gasolindämpfen wieder ausgesogen; hierauf wird ein elektrischer Strom durch den Kohlenbügel geleitet und dadurch dieser letztere zum Glühen gebracht. Die hierbei sich entwickelnde Wärme zersetzt das in der Gasglocke zurückgebliebene Gasolin: der Kohlenstoff desselben scheidet sich in den Poren des Kohlenbügels aus und gestaltet dadurch denselben zu einer homogenen und metallisch harten Masse. Schliesslich wird die Glocke vollständig luftleer gemacht und der Glastrichter zugeschmolzen, worauf die Eintrittsstellen der Platindrähte mit Gyps vergossen werden und man nunmehr die übrige, einen sicheren Contact ermöglichende Fassung darüber anbringen kann.

Schliesslich mag noch in der Reihe der älteren Constructionen auch die Glühlampe von Lane Fox Erwähnung finden, deren Leiter aus einem entsprechend geformten Stücke Cokes hergestellt wird, welches an seiner unteren Kante eine Messerklinge onthält. Um dieses Stück Cockes mind vin H. Welches an seiner unteren Kante eine Messerklinge

	Din	20	7203	RH4	RH3	RH2	RH	2-4			
	Ro	RO	R203	ROZ	R205	R03	R207	R04			
	H=1										
ا= -	7	Be=9.4	7=11	C=12	N=14	0=16	F=19				
	Na=23	Mg=24	At= 27.3	Si = 28	P=31	J= 32	Q=355				
K=	39	Ca= 40		Ti=48	V=51	C=52	Mn=55	Fe=55, 6=N:=59			
	Cu= 63	Zn= 65		Ge= 72	A= 75	Se= 78	0)2=00	Fe=55, Co=N:=59			
Pa.	:85	5=87	V+= 88	2x200	M=94	Mo= 96		Ru=104=RL			
100:				1	1			Pd= 106			
	A=108	G=112	Ju= 113	Sn=118	Sb=122	Te = 12.	J=127				
Cs=	/33	De= 137	Di=138	C=140				0, 2, 74			
	~	-						165-198			
-			En= 178	Le=180	Te=182	W=184					
	An=197	H = 200	TL = 204	76 = 207	Tri = 208						
						U=240					
								1			

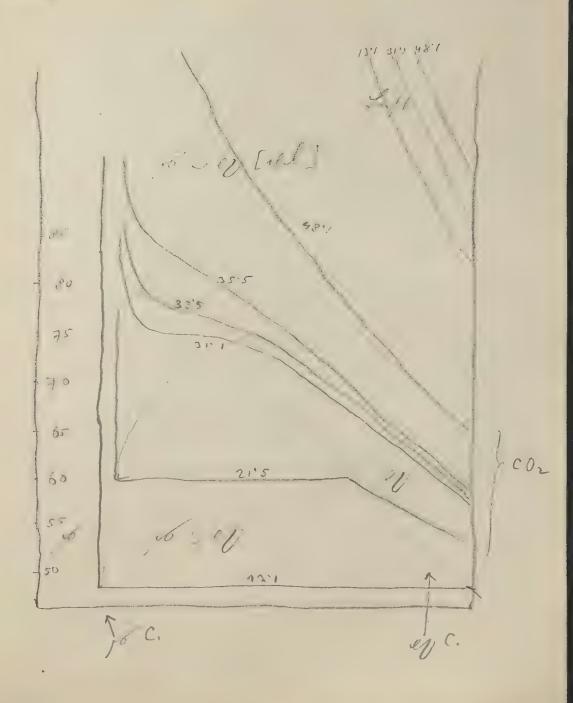


1000 2/x /2 2 000 いこ at cx toxx 1/2 = 10 = - 10 = 11 = x + 10 = x + 11/2 = 1:00 ₹M.I. 0 + y 1-2 = 1 = 1 1 / E = viine the second ... k - 0 u=10 | x+ 1= 2 + 420-62 = 10 1 1 + 6 =1011-1517 v. x 2 2 1 2 1 2 2 2



11: 1 W 1 1 1 1 Por Mar. S. : 12 1000 ... 70, 72 ogato C. Jan Har Wa. 1 ch temps on a d. w re a detail - de tradicione. Inflation -273. i spec. 42 . show there seale is but him it is , or or institute. or cy of the contraction, and conting. 40180 1181 100 8 1-1. & Nother thomas de ; Promise 11 en al day. is 12. Analog in ... Formel von Tail
elskliven. = A(t,-t)T- t,-de; originals: Ge = x 17 + 2Tt. Lx

In dicitize . For anome flootsitist - no of d. glast = " Al" Intropie folge de mui de finnesse : - fisk a wir - ~ my 6) fill of is to Kom Leng. V/ > 2.1.) (Thomas Jo. R. = T. g (1 w V. Temp) a - 10. co i ' y a & temy. O " C. al Int. d 4, 1 42 11. 10 + 4 (42 12 12 17 7 9 = 0 142-41)



wy.

4.

41)



Just 2 ... 1. 7.6.1 09. IT 1871 Mine to be to the second I foramorphy. If I want to the world the second of the sec similar to a compression of the with the contract of the second 16. Minustin 110 0 - 12-19 - 10 1/4 Little Villey Win Bloom in the in mes in le [line i les ind plet, i'm. . a: 3 % = 0'. Brown to he constitution alvie - va i a primer y - : i'l or ... Colof kali en de mar ver ser en en en en ~ 12 11.

El V=100"// a my est l'ori 12. 12 1 Peg.a . 4= 1 1- 1- 10-03 S 1 1 star 12 1 2 f. 12 - 2 tem ind 2 - 4 121. plants de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata del cont c in the property of the I s'algi, e ous cer voe ~ warry ex 1-1= 19 0 2 - + 1/9. V 6 69 11 4 20 V+2 2 8 " Zu ~ 2 1/1 8 p & 5 ; (2) 11. 1 2 200 001; were gray -0 N-1200 0

Mo - was was well toly and live 1 8 60 29. West 2 1=0 110 12 Amert. 1.2%. 10 1 0 0 C W= 431 2 = W = = -1. 2 -. du 6/2/4 6 - 9 M. -fill 10 - 2 2 2 1 1 1 1 1 2 Welg. 22 e lasten 2000. A mil all winden.
5210 2 10 your 5 n W 2 1 th 20 Com & Cal. Je dry it was in · 2 te 3 p 2 3 1 1/2 1/2 3). N & Arabbet for Coft - I Joanne 26, a Might + (35 + 35) dt/ 11/1. 1. & fortill 2:10 - 2/fe. V. 6/2 entZIII 7-2000 12 t AV, lule =0-6

in jub outre act hading lost in algebra 1 1 900 200 00 00 5 2 - 12 145 112 0-, 1 and a second of the second of pour series Nezisti, or y serie AV, (m/12 = 0: Interest of the total V= 2 + (26-46) 2 (1, V= 1- 8-4)3. is e tight in the chil and it grossinfa e VINd. of of or Vill dinion went of a day of the year of shows 190,5 2 of Vi Lity of BV, " with the house ign

H1-'+ " 1.1 7. 1. 1. 1. Para C'= C, C 2 7 = 0 T 10. Cz C C, 5.3.3 233, 15 3) 14 21.401 1 200 :1 F , 7, 1.30 . , + . . 7 . , . 1. . 1 · , i · ٥, X: : : : : : 2 1 3 , , , , , . The Carry in the second of 58. 1.125 " The tel , militar 7 - 17 8 ... 07.1.

Jim II , it Par a land a land a land a land Yelm (Topito) 1. org. 1. · · · · · · · · · · · · · · · · Se file . s 1. 1. Rydberg: Etelehor . Fu - Burga, the agern. A-Rond Gaje. A = 13.1-6, -4 /4 - Usely = 12 Sant 2. 1. (1. O Frec.) 2 2.1, 1-1/1

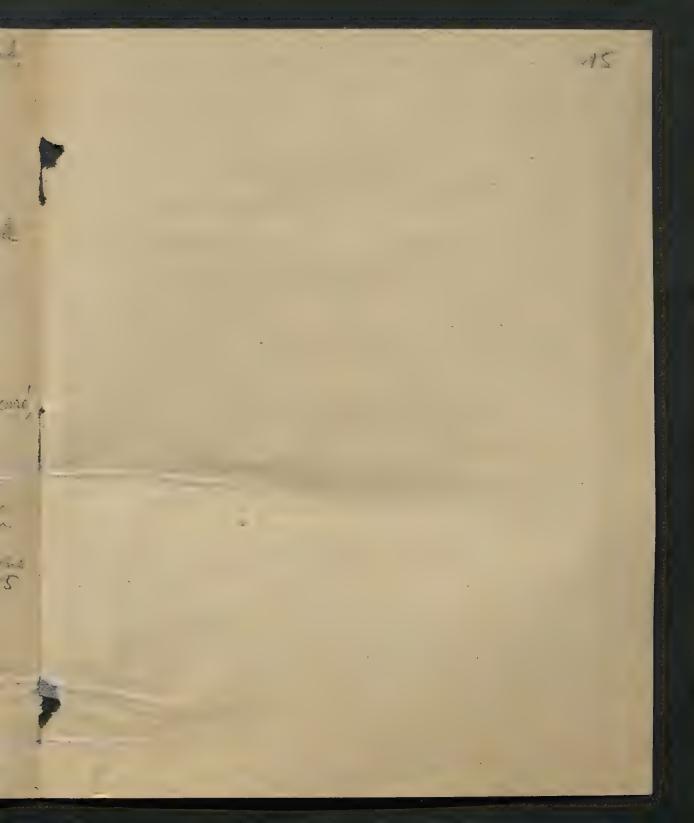
Baryin OSE(1+,1) 2 (n+8)-2] 8 mil + y France (Rydby interes 55 , 190) griges a trafficient 261 stee Alongue 1/4 vell.

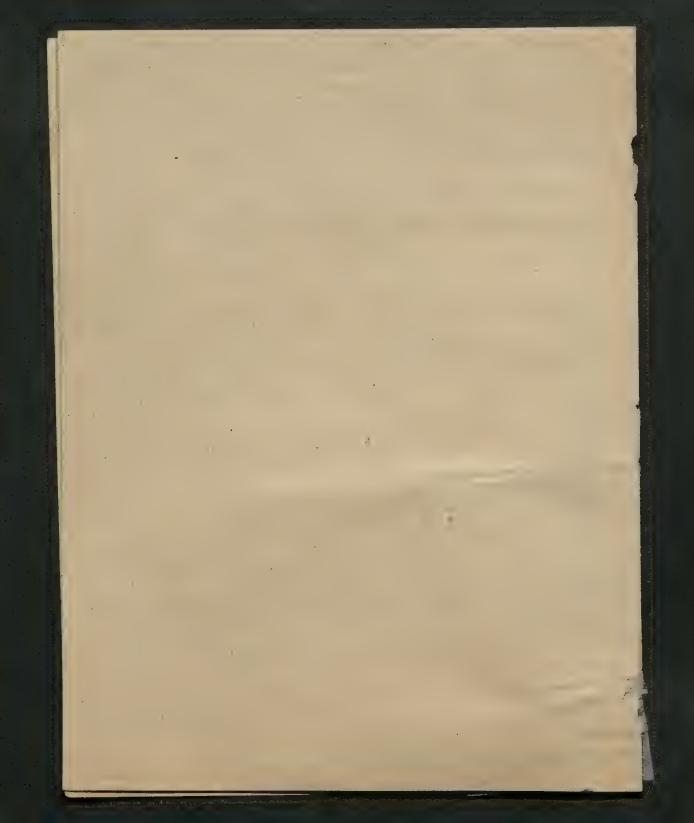
Lina & Archen 1 - 12. 112 min in. there is the second of the sec J. War - 691 1 .. 8 .. 3 . 11 . 1 . 1 1. Nov. of Comment for the state of the stat 2). = 10 : (in di) Janie Manie and out a government of a the hat · 12. V. Y7 / 1. 40. = Fix & Fix & The State of the of inter of Energia Course por K tory 6 x 1 18 22 200 00 6 1 12 1 1. Irdn in 1 (54). 4. 2) - 52 March A Francis 1). 1. I FAIR de - 11. 14 12 y = 1 = 10

som the place of the state of the territory we will a second the second of the state of the s Caller Jan Je Colon Colo 1. V. it. 1, 2. 1/4 de 10. c+ 25 de 1 frini. 11:6. " .: dx." " = dx " 100 1 9 2 4 n = dn c $2n \sigma$ $\lambda_n = e^{\frac{\pi r}{2}} = 1 + \frac{ch}{n} \dot{\lambda} = 1 + d\lambda$ de she $i = \frac{h}{ll_2}$ Laker to 12 hours ll = mega me, 1 , = = = 2 ming = 25. NC = = ARdy + 2 thy ola Sati Alit all = 2 in dr 4 all= dll+dll= 2 notar. 4y+ dy. 2; = 0 wer- ast bets. Similar $\psi = \frac{1}{20} \frac{9}{40}$ Similar $\frac{10}{20}$: $\psi = \frac{10}{20} = \frac{20}{20} = \frac{20}{$ 1= # 14 1x = 1 3-10 TV.

and the high in the property of Conversed to a monthly and the second AND THE CONTRACTOR OF THE STREET Same to a fine a fine of the contraction in distribution of the first on and and the second of the January Daniel Com Armalin maken · Lower Committee Committee Committee - Consider the contract of the second I was a least a least a least a line of the said Similar mondles done from welling or the this was seen as many from the case of parties. Burnal de mithematique Traville, y and the way of me and the for the soir house the state of Julian which is the in the michiga. The state of the state of the The state of the s The first of the second of the more deserved of in the ... I Me ice to ide inner Crang Japanerate Edit ... willtaked under Money ines it it is in Displace inspersity Continues 1864 Outlienter with matheway & for the Land. Strikbaha, F. a.S. Objer, and have inte L'indication Vinsent Land in the Contract of

Andrew , Sugar Soudier Account de monthement party party The same of the same of the same of the same postice jusqu'in 4874 per Doug is immedia partie de 1895 en 1854 per 1. cont. frattene levie purtle justimité Intelan exects enthouse in a le A. Flory . ve . a la ma hour for the Corners, in in the sign Smalliers - Villands of file in income in server to desire the instruction declarate propriational president the grands described is not in another and the de Contact Rivar Soon ite di matte me to de 111 de Obstaglina to partie







to grant . . j. 26 182; 23 er 276 1613 The second of the second 1021 d chi. 75

a line in the second of the se 7.31 132 / . Reywold: On certain Simensional Proporties of Notter in the Gascons State Ohil. Trans. CLXX Fitzgerold Ohil. Nog. (5) XI 1-103 Namuel On Stresses in Rarefiel Sases On Tran I 1879 (Scientific Topes I 1. 381) Stanberitish Style. Ad 94 4.625 (1886) Went Am 29 1.153 Shuster Nature 17 1143 1877 Radion (ringshim W. Am XVIII p. 1. 1883

12 to be from the contract of the first Arena Negede . Derlin veg tel 1894 - 18: 12 Warrang Joinets 2 Luis 3 - 1 1 / 1 / 1884 It. T. Lakouski Trans defection Orof. H. S. Zersthan Waynowheren D. Vid Wars 2 Pf ... e ... , 2', Friday & to State of the six of the ア、こ、ドレンヤッ・「ハハウ、ニューリル」 " in the party has es and a Secret. d. belo. It d. 1. [Talais dos . radinies. die 1/ VIII Ge franz. it flam + L 1). Protect of shot of and the m x / dir in the many salvery and and and the salvery

e of a district 1) à 6 votes le l'alle te B.,. s. in character of the state of the sta The 1000/cs: the second secon Onf J. W. rocks in the first U.M. 2. 11. 41 Te geld M.S. 00 100 8- -holl from I do aft a feet he 4). I of the therm & start of which of some we - The first of the second 7). Feller, a chemina int 4. [24 thatings 81. Exper. 1.1. 1. 11 2 1/2 2 1/4 2 1/4 -

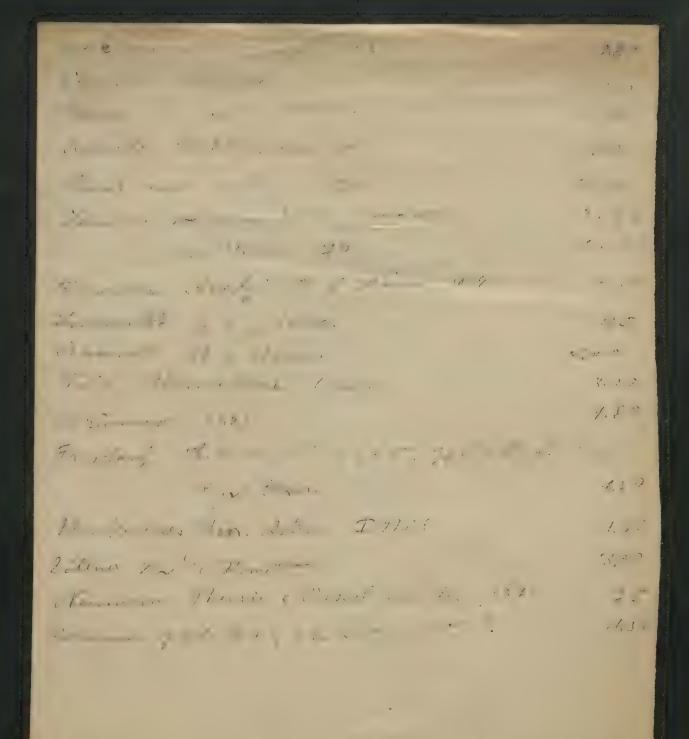
20 miles des ore malle En a Dar Sim : - To . . ? Crix "maney the so - The comment of the At the getting of the state of the second Time Forman Pt. Thenper A series of the Sen. o Zeale Tototato Vombando Sim. I was the same of the same

4. . tal: Jul 2. 1 12 16 16 16 175 Miles Den March Oder plate 2 . 11. 35 Transfer in the state of the st Englisher; " Tester like at the rike of Twis Light and the State fity by In the in text in in which with the set the set is the

Winnelman He Biscer Line Line The Committee of the Control of the Contr Homewite investigation I all you edugate a mornie Commission in the I a morned of Picaneiro de chambrelo de la construcció 1. 10 xwell the kinesto! Viak, Mil Million L'Riemonni Line 2 miles 2 miles miles Marine Marine in the second This kind out & the book of the second 11 March Fire to the Street of the street of the Trace justice leaders is Tuger vicehanik Fourier Inaly to wheome our Home Chambine Cota ... France - Breefiel Lotter thereis Land for the first in the second of the seco Werner a me

2 Harris Hatry Mr. Donne Salarage Trophy Jane 1 Leine d'allence in Thomson a tait Handle of the Object Juger OE Hindricki Sustitusii The second of the second of the second of many to the second of the second the destruction in the second of the Zimb Horace Hydrod, row he Whaseast u. Jonest Claretain lai

5.7 The state of the s of ." 732 The second of th with the same of 1.0 110 Carre von entige. 21,50 , , 1 1 · Thomas This off the the 74-75 Carried Street Carried Street -_ 3 7 300 Kr.,



11. 1 0 1 1 - 2 98 inch 3 . 0.5 bon: 8x1x2'5 in.

15 8 , 7 - 1 1

= 1), = 2 = 2 + 2), 2°, 1

= 2 2 11 2 2 = 2,2 1 ... 1, 23 ..

= (Dt, 2:0 2 + 2 1, 2 0 = 1

The 2:2k -1) for 1 ,-

Th- 12, her + 12, in-4

tre 7,2 + 7, 2 + 7 = 2,.

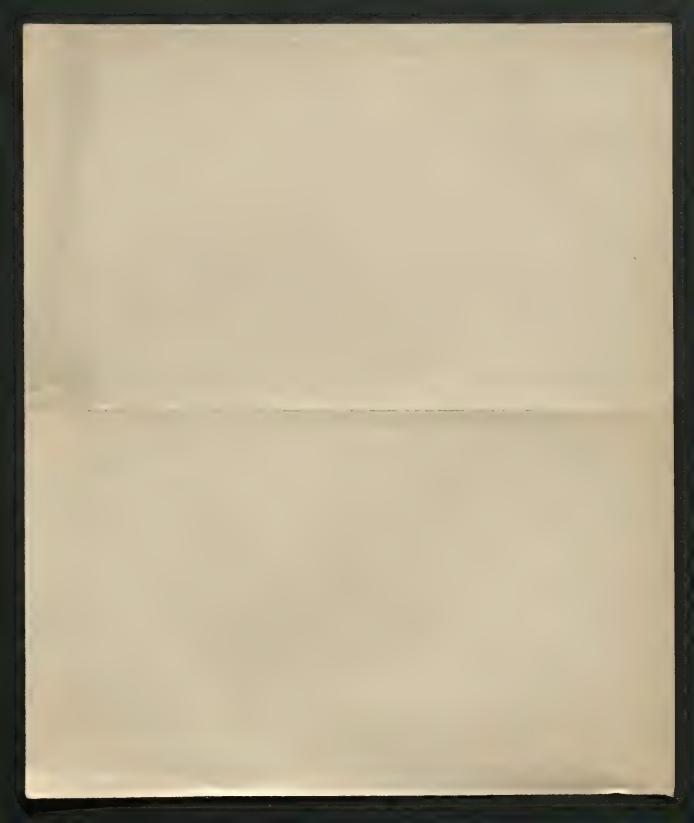
Sin = Tin , 22 , 27 , 42 (27.1)

7,=1 7,=2 7,=16

女2 = 22,22) (), 2+24(24-1), 12 +26.25-11.15 6:

- 12 < 2 · 1

Sn= & 1



(*) -a the second of th the second of th the state of the s in a survival and the survival of the survival dering to the man to the first the the same = Of No Emis on the second a grand of the state of the sta and the Light of the second of the second

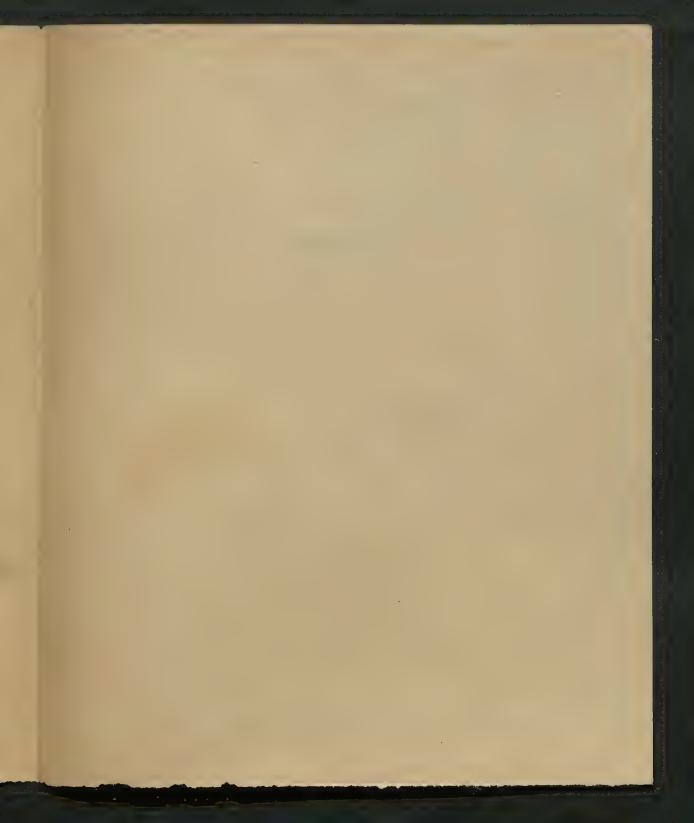
we start to the start of the st Michigan Comment 1, 2 2 . . $\frac{dg}{c} = i \cdot c \cdot c$ the state of the s 1 1 Still with a state of the still and the stil Le - un's A- E - very strong of the strong o inter Aprille and a service of the popular of the service. > my horas of the state of the

File And Andrews Control of the Cont ji sa da sa aran da sa The state of the s ... the fry the second of the second o Land to the second of the seco in the end had been been but the the ked without The wind in the work of the second and the second of the second o in the second of 11.3 2 ...) 11 1 -...

/ the interest of the state 1, 1 - 1 A= 1- 1. V A $\frac{1}{2} \frac{1}{2} \frac{1}$

-1 1: n . . . 1. 1. 4 <u>'</u>, = <u>\$</u>

J= 111121. 14 1. E Tre Tre - 123 -17755 0. 45500 1: 2'4 0 2 2 3 4 5 25 17 3.2 12 1916 · ; ; ; ... (.):.-1 . 1 • , • • • • 1.50 230 ーデタタイピン 3, 3,





Moderation Comments

Wiera

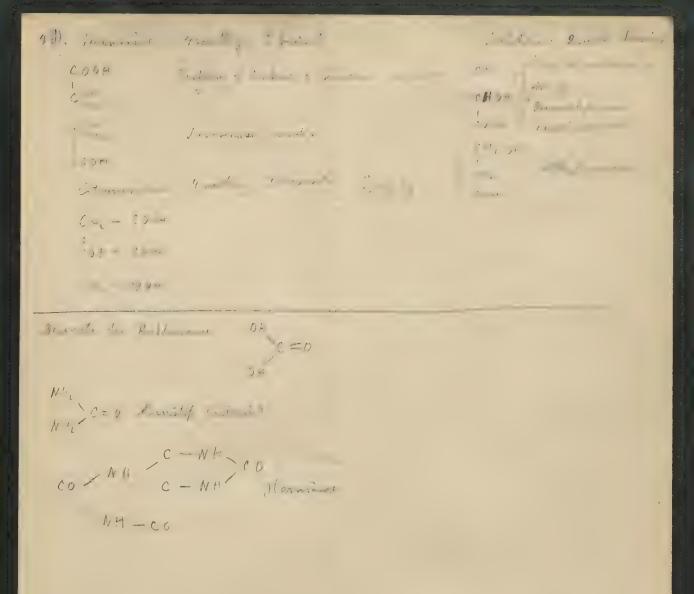


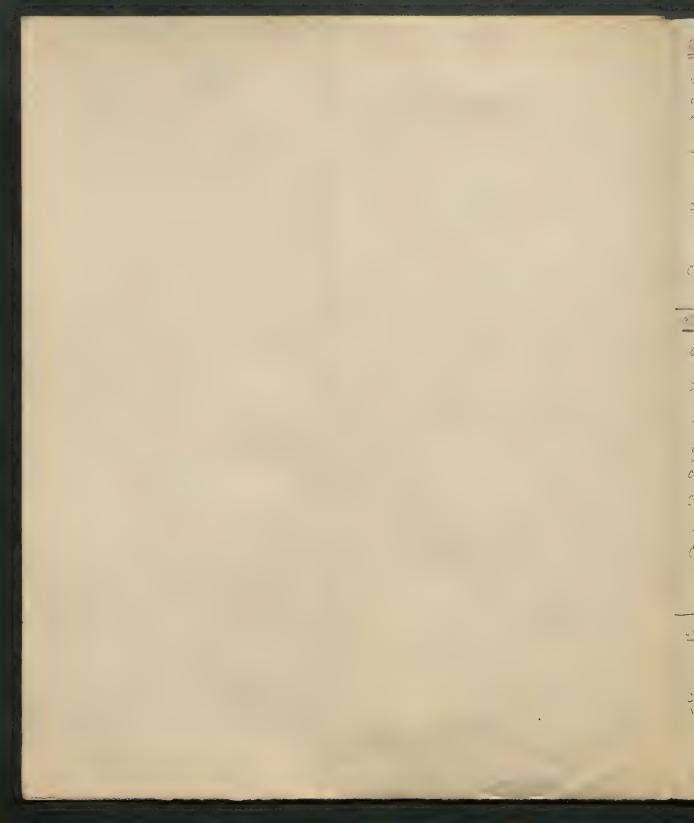
Promote de Michael As william The first of the first of the second of B. Salaid to it is the state of Sirry is is on C. I. t. der ilveride mer sary, we ... ". C. Hey D. iller showed som D. Stocket Tresen der Alkyte. he der homewich is a level. I prime 1 N & in 15thy lining NH2 (Hs) It from To security of a Contract there In the Market E. P. As i'm listmen or CHITAL WILLIAM Takes of the horizon F. J. i.i.

Zn (1's 2 " , emet of

Figer En. 1 1 C, =12 1, 1 -. total in the second of the sec : > C= 0 int Link whole fill is [mr 1 wat was H] I. 1 to Con Han On Ungerity to Commence de their of der provide is a fine the same 194 -1 灣 . . ; . 4 (0) 41 5 (ssti Chis . . . 199m

23 in 3 Sec. 4 (.... Carried to the contract of the i stran C. T. Cry in sate der anticolie in the second in 200. Can Stranger ۲ · ۱٬۱۰۰ -· · · · · CHLOH CH, 7-. . . . S CHE OF Corp -> H2 !! . . 45 K. . . . 11 11 . 1





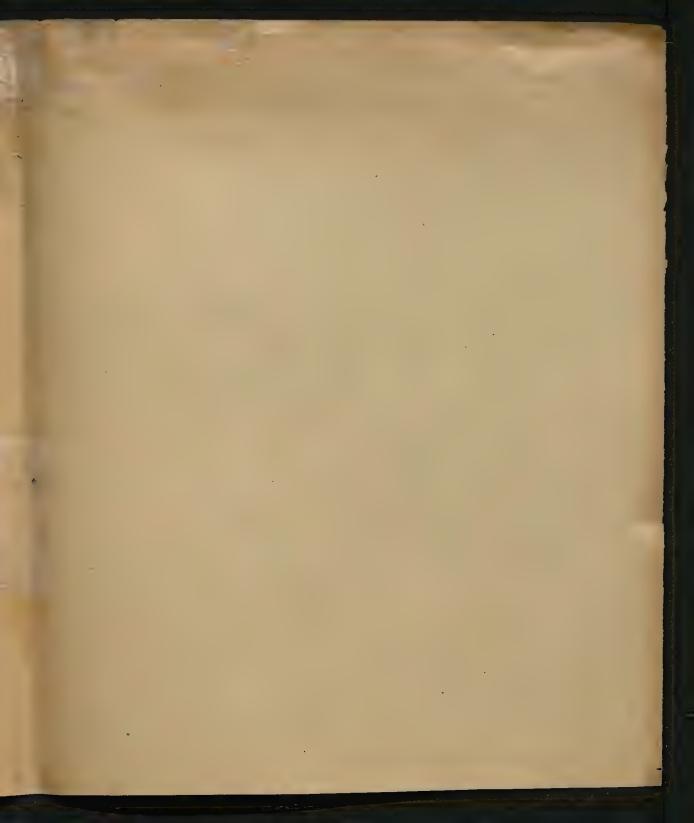
in the interior in the	1 Julie in	.v	21
chy silve	2 - 7 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		1 · 2 = 1 4
CH - I Wan	C, 45 = 6 % 6 rz C4 hz =	The in	Cyty Chy Chy
Cytro = 1/2 won 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	C 5 H17 =		! Cotto Voler; ten . Tente

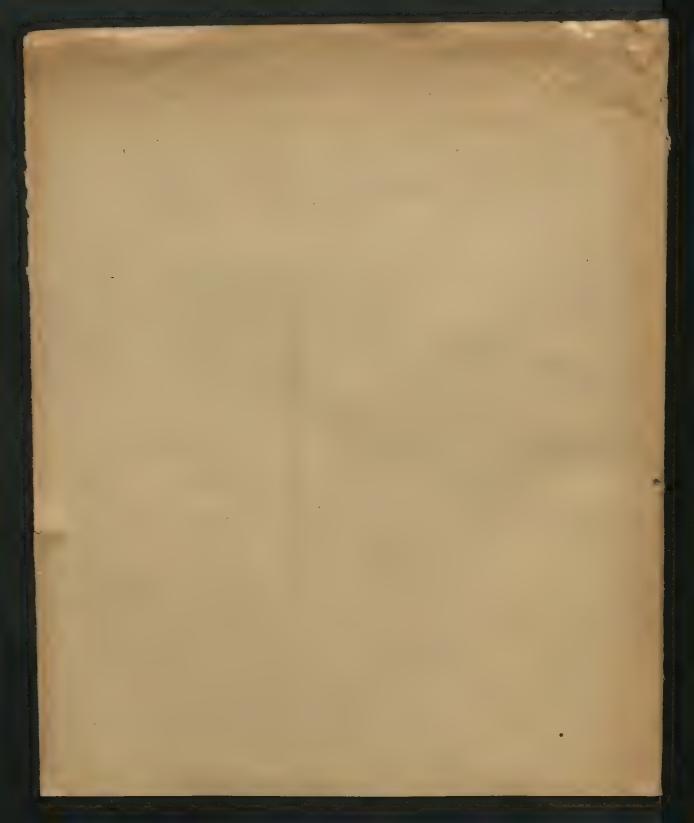
2 / Here note.	4		
C4, 2 = C.	En Madrida !	c	
ing the	July and mile		
: - 4; =	Wire/ no		
CZ4 - !	Itan inkoperati		
Cz Hs CK	at within	Cr Hs Co Van production	is the demonstrate .
2 t, 2.	I'm den Maril	is the some the	
2 - 2,	in the form	and a tradhit give	
C. 60/	Burn to Comment	C. H. Starry	

			manufacture of the same of the	
	Residing to Ca House SE	Unice This 5	Cn Hzn-, OH	Marcosta, to Ca hama Da
1:			Maring	2 m-3
/ H		1		
2	judge the hol	1		
1	" in Alberton"			

1-Cost of a serie declarage and on the contract of the italy in al 2-1-04 CHZ Dog Jacob Consider a store it; Trojogé et. 67 -12 SHLOH : H2OH norm from Britishalk · F' : mz CHLOH Joognat, look CF - H2 2 H2 0H R-CADH get der Derjot. Retore Convent mit, le dere Comminister inc. mis I sumdie aremi, en i CH3 Too, woje; lith CH OF : 43 c 1.3 " + of Ingrest and C + O + 316 . ..] K-COH order be Do, Ritime mist wer', or I wint oberstate sain. I testions · CH3 Trim togic orbind 2 55





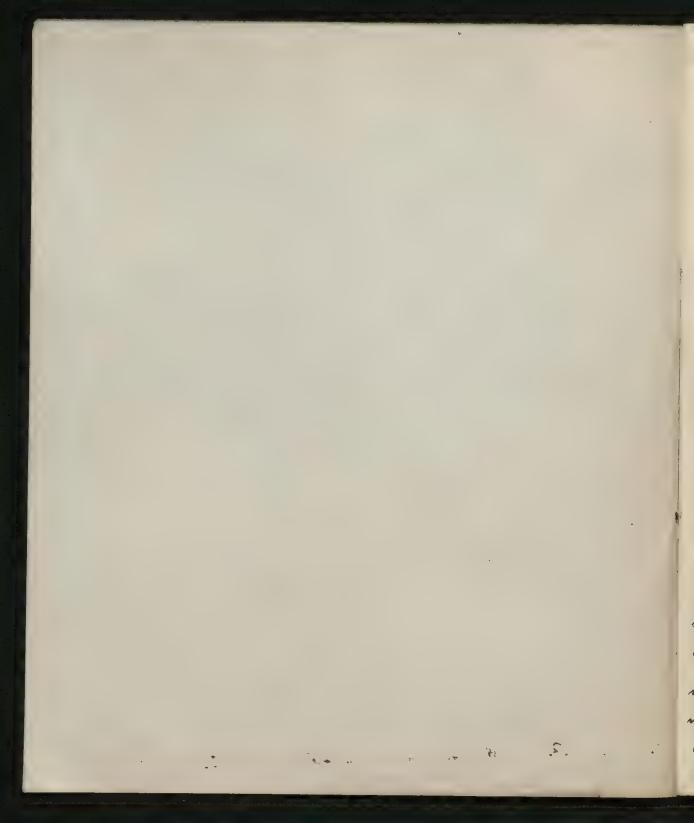


9409

Excepta.

Degum: 29 th October 1896.

M. Smolnihorski de Smolan Ph.D. Glasgow, 38 Park Road.



J. J. Thomson: Recent Researches in Electra and Nagnetten. Oxford Clarendon 5/11 Proc R.S. IX p. 270 Kelvin. On the Severation of Tongets of Wares in Ether AA chayet +; D pushed mer till spark; the logisted.

A + + A vers between A and R if electric solid theory; inslandows if incompressibility of the .; Photographic effet? Analogous: Noture 23/, 1896 c and d clayed so that just limit of sperking; if sperk better Ac of marking; if mark better Aco 30 jaming so also liter a & d $\begin{pmatrix} + \\ A \end{pmatrix} \begin{pmatrix} \overline{0} \end{pmatrix}$ in the same morning or later? 1.250 Trupoct with a Liquid Surface studied by means of Instant. Ourtype. Werthington Sudn On R.S. 25 p. 261 & 498 [1877] and 34 p. 217 [1882]. Electrical Review 20/11 96 Vol. 39 p. 678 Kontgen Rays Apparatus: Various forms of Gookes Tubes with aluminium vell. Opden describes har this sell can be made at to of to commercial price (Sientif American 102 common sall, tempolate of soda, chloride of cales un mixed in a common erneible. This is fitted with a this cover and placed in a food coel five, so as to bring it to fell red head, at which it is kept for 2-3 hours, til all freed. After woling, the plan-like man is broken up and throw into a jer of satu in which the crystals of trugstate of caleium vill settle to the bottom. This used for screens. M. Henry (C.R. 123 188) cours ders his specially presant 2n-Inffind superior -

1.672 Substances Suntice to Rodiant Heal. In. Ziengerg: Caper with Cn Bz on Ca Il, + K Dz hosafand greenish trist, brownes ofive brove = + Ag NO3 black K 2 G20 7 also; # a 804 fulle in eje + AJNO Hack. Cu So, + Ox ac. brown; Cu Cl 2 deep green; Su Or almas if en to light Ph NO3 yellow + ApN 03 = red. 3. - 6.5.5 indeal Pene 3 pel-22 x 177-192, 1895 R. A. William Odonination on strain - 1115

Thorpe Inorganic Chemistry Following entolances crystallise in Regular Lysten: Na, Mg, Cd, Fe, Pb, Cu, Hg, Au, Ag = 0 ~ O~ Mu, Ag, P, Cu, Ag, Au ∞ O Ag An m Om m 000 mo mon

apadratic: In B Hexagonal: Zn, St, Di

Monodinic and Rhombic: S, Te Rhombie

	R20	Ro	R203	RA4 Ro2	Ro1	RH R207			
1	Li = 7 $Va = 23$ $Va = 39$ $Ca = 63$	4=9.4 Mo=24	B= 11 Al= 234	C=12	N=14 P=31	0=16	F=19 Cl=355		
	K= 39	C=40	44	Ti = 48	V=51	G=52	Hu=55 On=80		
	R6 = 85	$\int h = 87$	14-88? 7 42	22=90 22=90	N.6 = 97	Mo=96	7=17		
	G=133	De=137	Di=/38?	Jn=118 2-140	Ta=182	W=184			
	- Au=197	- M = 200	Tl= 20%)	P6=207	Ori = 208	U=240			
			Fe=55, Co=.	Th=231 59, Ni=59, Rus	= 104, 34 = 104,	Pd =00, 00, 72	.Pt		

Wind Ann. 52 (1894) Kayne & Runge 1.92 In spectren der Nutalle der 4,5 x 6 snegge haben och keine Tersen ergeben voll aler andere Regulmant by kirtin: Herden die recoproken Wellerlanger genommen, so wederlober sich mediere Gruppen mil constanter & fleres = 1 = a+ 1/2 Dies vint greegt bei In, Ph, tes Si is Soud in auch be der inten drei Supper une noch im Nangan ent ever Triplet serien gefunden vorden. Mil. Mag 1897 W. Wien Theoretical deduction of the formula $6 = \frac{A}{\lambda^5} e^{-\frac{\Omega}{\lambda \theta}}$!

Translation of 11:0 1 100/ Translation of Wied, Am. 1896 What Ann. Walnus $\lambda_n = a \frac{(n+c)^2}{(n+c)^2} \qquad \tau_h = A - \frac{A}{(n+c)^2}$ Rydby winner dies Is for alle a beinal glock vie her H retall Is glich on ...

Electrician 12/g FT XXXVIII

Electore. resistivity of electory tie Bi at low temps and in mays fulls.

Dever & Fleming.

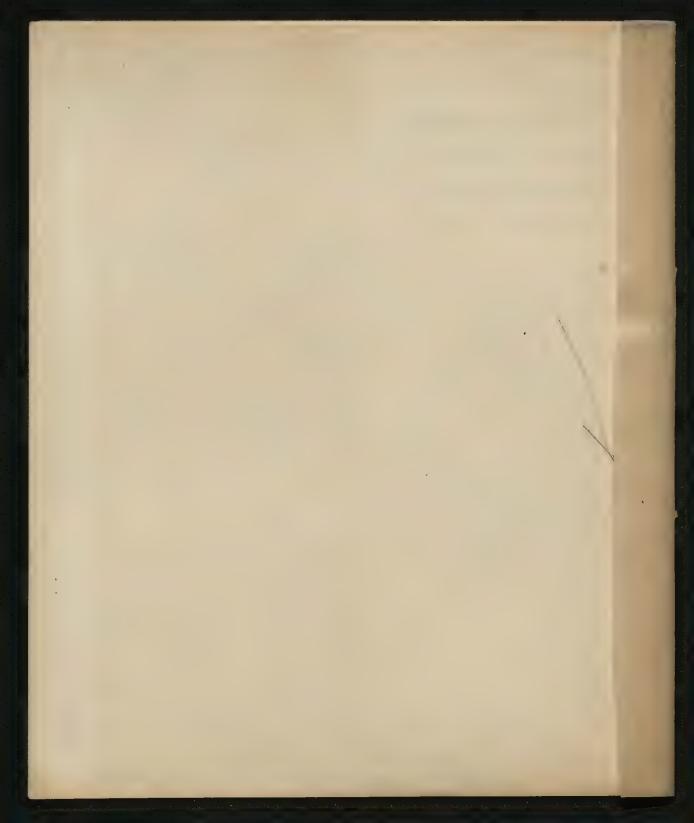
ere

Fieldstrength Volume veist. Vol. renzo. temp. + 1900 116,200 78300 1375 118,200 2300 833 2750 123, 3350 1015 8800 1492 4100 1148 14150 186,2 5500 104 21800 7900 257,000 15 P. 14200 287,000 41,000 100,3 283,500 191,5 730 all transversely magneticed 1,730 . 6,190,000

Feny.	0	2,450	5,500	14200 CSS	
+190	116200	123,5	132,	187.	_
195	78300 41,000	105,	1581 419,	284,	
~ 203	34,300	2856	7177	1,740,000	

11 1692 Life 11.10 So to Deritation of continues layer of the wind provide to me I man 1 457 Ann I At 1. 1 g va Enger on the war Prostings of which (C. J. 185 , 1862, New 1 2 1 74; Jan da XXII, 18 (11) relete all yet we hand in the organisments and Domiter: At kindys it einer Prince netwo it is in y house Selas int = 6 cm, - 1 (1) and Parantent in 25mm - 1 work I alege it me in his 4 verms dann dien in in Con Hugering worker 12-4 mm To. Riving whiteen the dealers , itenti in there wie during have Ingerinante i les out of the description of the of it during by little web inen jerhor et after demak it is wine the of a it there is the server of the server of the server of the The may IVS 183 Evenstair . The invite Interests of entire 1 - x a-1 1 + 72 1X

tal my V me in the firm in I Crayles 12 1 , and meeting the stary of the same. forming the wife . I the formalles to the inter. Variations to Determine interior) on the hards hargit is. I smaplified in a company ((a wach i ellert diff to coming in come attract 1. I tono reserve 16). corv. and implies !! co.c. no motion Con. nyint yours

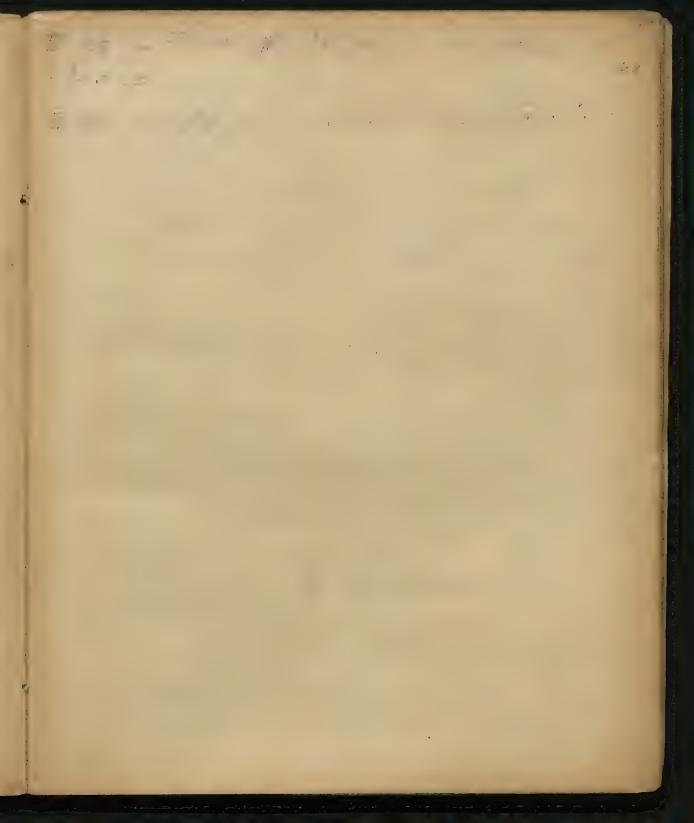






with the second of the second of the second The test and a second of the filter , in the second of theming 2 · K: to the discount of the discoun (18x, 12/2 = ZAR in; 2 / 14 = 1/2 1/2 1 1/2 -[ρ. υ. π. 3.] = · · · · · · · · ·

77 - 2 × i. . . du PrF 3 7 mm CV 1 2 2 2 2 the same to the sa and the second of the second o in to a state of the state of t the state of the s 11/4 : gixti - v and the second



In Andrecke $C = \frac{v_0}{2} - \frac{\mu}{r_0}$ wind $\frac{\mu}{r_0}$ verslow. Aling grand $\frac{v_0}{r}$. M = 2 kmdro mit ske græte Amedere : $C = \frac{v_0}{L}$ $\varepsilon = \sqrt{1 + \frac{v_0^2 s}{y_{n2}}} = \sqrt{1 + \left(\frac{v_0^2 s}{2m}\right)^2}$ Wenn Voussitzing, den die Instante le hier devielle Wert Lot nie bei Grandothon (Ganas'iske Condonts) so vind vos selegrat, dobr anguichal: $\xi = \frac{v_0 s}{2\mu}$ $\Delta T = \frac{n}{(2C)^{\frac{1}{2}}} \left\{ 1 + \log \frac{4n_0 C}{v_0^{\frac{1}{2}}} \right\} = \frac{n}{v_0^{\frac{3}{2}}} \left\{ 1 + \log \frac{4n_0 C}{v_0^{\frac{3}{2}}} \right\}$ Es Mounte dies gon keinen linfludd holm Hern sorblish hyperbolishe Umbi gry the so misste (2-4) sets ble sin sohre donn angeråhed \$ = S + C (200) Z= 1+20°C = 1+0°C = 1 + vo 32 BT = (26) 2 { 1+ ly 4 no C - Llog (1 + voor C) } worden was the general a

Die Wohn ist ungekehrt (sowie durch Stor) bei den dower a folgendermash: D > 450 and = 1 > 1/2 E < 1/2 1+ 20°C < 2 des s bei welchen 15 = 2 m2 $\frac{c^{-C}}{m^{-}} < \frac{1}{2}$ wird zur Alkineng 6 grant 0 = Absteris der verleingertin Infangsgeschrotud. 4 pm < 2 22 < 2 / - C Nach dem Peistel werden die Dohnen abgelent of dater Normal long, der Emergie vereinget; vie prest ? E-Eo = 1E E= /2012 ds. 45 (180-20) $= c_{1}^{2} - 2\beta = (c_{1}^{2} - s_{1}^{2})^{2} = (2c_{1}^{2} - 1)^{2} = (\frac{2}{5^{2}} - 1)^{2}$ $= \left(\frac{2}{1+\frac{2e^{-C}}{n}} - 1\right)^{2} = \left(\frac{1-\frac{2e^{-C}}{n}}{1+\frac{2e^{-C}}{n}}\right)^{2} = \left(\frac{1-\frac{2e^{-C}}{2n}}{1+\frac{2e^{-C}}{n}}\right)^{2}$ dole: 000 - 1 $\frac{E}{\int 2 \operatorname{ands} \left(\frac{1 - \frac{2 \operatorname{n}^{2}}{v_{0}^{2} \operatorname{s}^{2}} C}{1 + \frac{2 \operatorname{n}^{2}}{v_{0}^{2} \operatorname{s}^{2}} C} \right)^{2}}$ - 36 Diese Varminderny artquist in der Stul-Theorie $E_0 \Delta E_2$ $\int 2 sn \, ds \, \cos^2 2 s = \int 2 sn \, ds \, \left(1 - \frac{s^2}{2\rho^2}\right)^2 = 2n \left(2\rho^2 - \frac{1}{2}\right)^2 - 4\rho^2 + \frac{1}{2}\left(1 - \frac{1}{2}\sin^2 s\right)^2 \rho^2$ $\left(1 - 2\sin^2 s\right)^2 \rho^2$ $\left(1 - 2\sin^2 s\right)^2 \rho^2$ = 2202+202 = 800

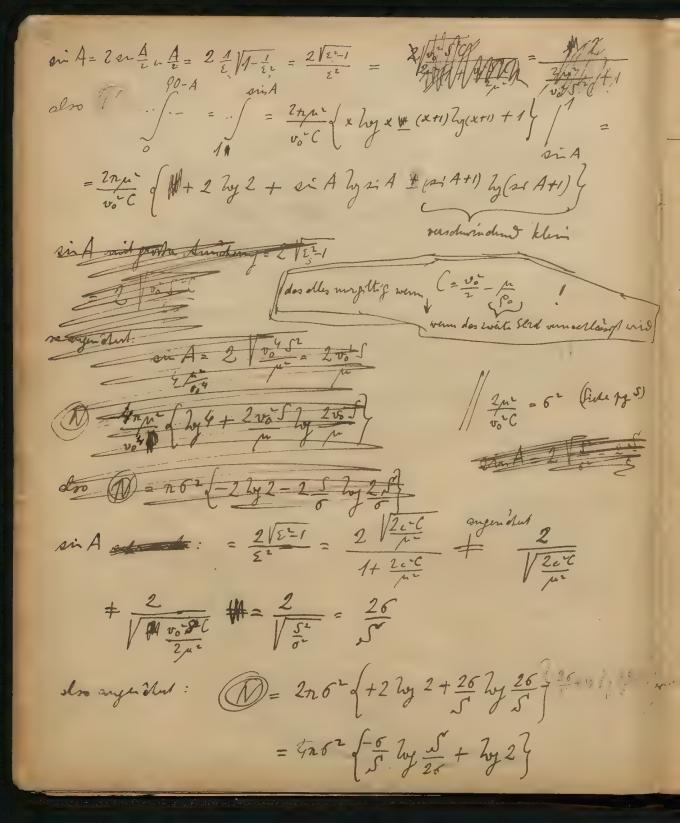
Der ens komte des pr bewehnet werden, de die Vernindery de mugi in bewohn Filler glish sein muss, wenn man die Peredhonny der mittlem Weglange bisbehaltwill. Angeratul and sinfact so: die auf gehalter Engio = um gehelete 2011年12 = 2011 P= ALC n= ρ200 C = ρ200 - ρ20 μ M2 Pro + Pro + Pro = = 220 + 000 1+02 also angendhed m= P 00 Levie Eduflus E = V1+ 00 1 200 = 1+ 01 200 $\Delta T = \frac{n}{(2C)^{\frac{3}{2}}} \left\{ 1 + \frac{1}{2} \frac{4n \cdot C}{\mu \cdot E} \right\} = \frac{\rho v_0^2}{|E|} \left\{ 1 + \frac{1}{2} \frac{4n \cdot v_0^2}{|E|} \right\}$ m Hlere Eifeni = \(\frac{2 \in no \DT}{\sightarrow no \DT} \) = \(\frac{2 \in \tau \DT}{\sight $M(AT) = \frac{8 p}{n_0^2 \sqrt{n_0}} \left\{ 1 + 2 y^2 2 \sqrt{n_0} - \frac{1}{2} 2 y^2 \left(1 + \frac{n^2}{2 \rho n} \right) \right\} s ds$ Sly (1+0x2) xdx = x2 by (1+0x3) - 0 / x3 dx $=\frac{a}{2}\int \frac{y\,dy}{1+ay}$ $\int \frac{dy}{dy} = \int \left(1 - \frac{1}{1 + ay}\right) dy$ $= y - \frac{1}{a} ly \left(1 + ay\right)$ >= = = by (Hee) - = + 1 /2 by (Hee) = (1+ ex) by (1+22) - x2 $= \frac{8p}{n_0^2 v_0^4 V_2} \left\{ \frac{3n_0^2}{216} + \frac{n_0^2}{8} \frac{1}{2} \frac{2v_1^2}{p} - \frac{n_0^2}{216} \frac{1}{2} \frac{n_0^2}{p} \right\}$ = 10 12 {3 + hy no + hy 2/2 - 1 hy no - 1 hy no - 1 hy no - 1 hy no - 2 hy n $= \frac{2V^2}{V_{\frac{1}{2}}} = \frac{1}{\sqrt{8}}$ = f {3 + by8} = 2p vou withend nach Stors-Theorie doo Überensteining !!!

Røylochkit einer seperiment. Oestermong der kubische ekstische Nachrietz? Gewished. Presometer wint Defferens du Nachwirty von Eles mut Wesser ergeben; at dates viel and Flat Afhil home, douch Wedne dusether a worket. To Entreder plotelide Delsebring oder ein facien plotel. Entlastring (Sunch Offrem eines Hohnes). Vann viellrett Wirkmy zu schwech so folgendes Arregament Evert 4 de pre ges tills, dans in flesting der einer duch des wats Pola, dans dieses sollisten und die Capullare offren so die geinge der dernige noch lestachtet werden. Correctur in folge der Warmseoiskung! Dehring du Polairs et ous Eben des Wechs elstromen (Nessings-Apparel ?) Unter suching do Tellors in Derug derent Hall'sches Prénomen: statt nottechique Platte: Hableylander (galans). Nie derockleg auf Dike; Lugel? Ververding bei Wedselströme; erbreder mit Negert oder teting. solde electro dynamis it; in letsteren Falle wint constant gers states Jeennder Strom entstehn; Erholburg der Kraft 1 ; deranf gegründete Mess-Sprende; in via voit doct man hinter die ente Platte eine weite geben?, eventuell gansen Lyste velde vahmeden merden, dadurch Widerstand beringed und man kam so Wedselstrone in endente verwandel. I'll es Waimes dons yough ? (andy elects. behr. ?) womm moss?

Ad Minethete Scotheorie; Falsetry von Sits 7. Duttigkeit (solvedent) der Rolek. næck in den verstriedenen krittinge med kinem Ensemmenstat. 1). nech Sto Atheoni : Soma la = 1 milde finada = 12 W= 272 sind da ws 180-x = 1 100 2 1 2 4 sin 2 1 as 2 sin 2 = 4 clos glarchma tige Vertherlung (070) (eban die reflecterter) die ûbrijen bleiben geredears 2). nech Kreft-Theorie: $W_{\alpha} = \frac{2\pi s \, ds}{2\pi \sin (180 - 2/3)} = \frac{s \, ds}{2\sin 2/3} \, ds$ = sds 4sipupap $-\sin\beta d\beta = \frac{-1}{\sqrt{(1-\beta)^3}} \frac{v_0 s}{2\mu^2} ds$ $= \frac{n^2}{2v_0^2C} \frac{1}{(\omega)^2 3} = \frac{n^2}{2v_0^2C} \frac{1}{(\omega)^2} \frac{180 - \alpha}{2}$ Sind du = 4 ctg d da = 4 de da at = 4 Stonda = -4 by (cosk) = 00 Werm der maximale & = is av kommen che kime such. unter plimeren & als A gibengt werden, volvi $\cos \frac{180-A}{2} = \frac{1}{5} = \sin \frac{A}{2} = \frac{1}{\sqrt{1 + v_0^2 A^2}}$ ans einer Helbheigel im Nottelfungh) Vern unter verstreden Winkle? The figur in A. Higger, wie vil werden nect dieser Halbrugal reflective? Kedens des Ormdels der in einer Lochtung fligen der Violec. = S 1) nech Stortheore : L'Il in jeder inischen Fichting also eberso auch im Attel

2). not Kreftheorie: I ist ansendrithe drech & und I esta my with any mind 2 22 cos d= cos of cos ye + son I sing cos A $=2\int_{0}^{\infty}dx=1$ X=0 Las pay-ripiyan Va-upay = sing sing Vi- rupay+ciping -1+ with the reserve -1+ my + my - mpy a(mos- ux)

 $=\frac{2n}{\omega p-\omega y}$ p=n p=n p=n $N = \int_{0}^{\infty} \int_{0}^{\infty} \frac{\sin\beta \, d\beta}{\cos\beta} \, d\beta = \frac{1}{2\pi i} \left[\log(\sin\beta - \cos\beta) \right]_{\frac{\pi}{2}}$ - 2 n ju log + corge = 2 n ju log (1 - 1 tory) = Annoll veloke to the state of the log (1 - 1 tory) = Annoll veloke to the state of the sunder general state of the sunder in wen Inttolwerth (yr) = -2nn [ly usy - by (1+usy)] sing dy = -2nn [by x - by (1+x) dx $=\frac{2\pi u^{2}}{v_{\delta}^{2}}\left[\left[\log x-\log(1+x)\right]dx\right]\left[\left[\log x\right]dx=x\left(\log x-1\right)\right]$ = -2n ~ [x(lyx-1) - (x+1)[hy(x+1)-]] =-2nn dx hyx-x-x hy(x+1)-hy(x+1)+x+1} (x hy x + hy 1 +1) = 0 kommt down weil je mus his emm Winkel (90- A) ers trecht werde komme sin = = = 2 sin = 1+ 60 A= 12.



Warra dies Watte gloid sei roller nech beiden Theore so muss sein: 2022 = 4762 (5 log 2 + log 2) S=2mittle Entforming der Nolae. 62 = 2 pc wip det him affordit the total and to C = 2 setten? La The land the work angenommer ders mann auch hier C= vo ster dorf, int: 62 = 4ph 6 = 2ph elso verkelet piop. der absol. Imperation! ungefele Derechning des i / who des unto de cores: were des p von pag 6 grown wird = 12 und mit dem sont berechnet Aslee. Radius I dertific et a rind (nech En duni of) roist (f) 3 = ideder Condustions Confficient dro vo. ingefor får Wesser = -0'001 f = 10 ; 6 = 19 = \$ 0.14 = \$ Ari A = 0.28 A = ece 150! Tog 3:5 = 0:544 = 008 12 denn miste man noch des Stied

12 to 44 6 mil 4+1 derunchum

ongefich)

p = 0.76 dro ench in dieser Felle reckelet pur der. about Teny. xlorx - (x+1) frix1) = x horizon - All the water =- 1 4 1 1 + 7 - 1 1 + 2 1

felst is kommel doze: mo - - W + 2. 28 + 2 + 18 1 2 1 = - + 62/2, 15 til + 1. 1. 11. - 1.X . 1. - 13.2 · · · · ノルニナランニューナー The second of th 2 mis. 1 38 mis = 16+ . . . + 1 - 6-15

de de \$10⁰⁰ 1. Y ... + 1 = 13 1 10 20 2.103 01.2 + / / / / 1 / 10 " 1'5 V 2 T 1+x+0 = 12 - 13, - 1/4 ---y War of Pi voc As .-7: W/ ; Alma man this No 1 dly = 1

I have any he strike in The work to have in: touris a many many mention of the state of t 9 3 0 itim. or. d 6:1... · for the second of the second 0. In our of the form of the second of the seco on the second of Sinterey of the transfer . Appendix and the property of the second second and had a withing in horse and it is strong to the

Ad Hell's des Phinomer: e = R Mi, vie god kann der seemdie Strom im Veylich zum primire zu ? Widerstand des permare Strongs by The $W_1 = \frac{\alpha b}{h \delta} + \frac{\omega}{h}$ $W_2 = \frac{\alpha h}{b \delta} + \frac{\omega_2}{h}$ $A_2 = i_1 w_2 = i_2 l_2 = \frac{l_1}{h/h}$ A braids went des secundas Sta. 2 $i_2 = \frac{\ell_2}{W_2}$ A, = i, W, diese verden gleich, van A,=Az= i, 2W,= R2M2i,2 $W_1, W_2 = \frac{R^-M^2}{G^2}$ RM2 = 2 + w, w2 + w, ah + w2 ah | = [2 - RM2] + & [v,h + w2 f] + w, w2 = 0 donars of best number nech Timory du Welly du Kief sollte Al Az nicht grich sin dinfen als A, ; nach du Formul kinnte dies der Adelfonder, wenn nände de W, W2 < R-M2 RM >1 5W, FW2 >1 ant chenso folgt diagons Folgeda $i_2 = \frac{E_2}{W_2} = \frac{RM}{5W_2}i_3$ were men $\frac{RM}{5W_2} > 1$ so ist du seum deie Strom sleiker do du primère, dobe kômte diem viedu els primère versen det verden etc. (Serving von Arbeit aus nicht.) $RM > \delta W_2 = \frac{\alpha}{L} + \delta w_2$ miert gamp viellig! es minte auch directation. Keeft ghost sche grit ni
Vilentiade mirde arthe adden drier muss at entmeder 1). objec Formal folsch sein voler 2). Lein Hollsche Effect eine Widerslandsvermehung eintreten regestre andere Wirmerickinger eintert.

Was fold fin die Widerlands our day unter Vor ansettung der Riktigkis die Found? Hidastone inginstigete tell, ven w, 2002 =0 W, Wz = a,a, 7 the RMZ $\alpha_1 \alpha_2 = \mathcal{K} \mathcal{R}^2 \mathcal{M}^2$ $\alpha_1 = \mathcal{L}(\alpha_1, M)$ also antweder wind his stark. M die undante R kleiner ohn a firster folls beide a glich sind und Russlant minoste un enne guisant an a proport. Hain! there were to sign out that he way to the to be a proper to be a second to the contract of the contrac JAS de = MA-JA PR evod de = /n Wind de = em blangis vom bles mont von der Seechwarder tot 2 Fox (Snalvyon 2mm solveris - Payn / bes totertici krafter) = i / Ruade = DF = 1 Rend. T = mx end Ot = Run 2 = hong Rdo V= jus do = das

production of the second A want by the same 7:12 L. A. if and the second of the second o the state of the s the state of the s the state of the s Market Committee of the and the second of the second o de la companya della companya della companya de la companya della In Selow of the Selection of the selection of header to dear a for the second of th In it has relief the contraction of

in the second of the second of the second to be seen in a count to a contract of to a star harden to the start of the start o X = x + D. I, i draw to be to by a filler A STATE William No. 1. $X_{,=}X-v_{-}$ X = X + Dr L' = X = P E + E the hit diff serve the state of or the state of the transfer of the state of the state of the state of the state of were the state of the first of the state of Brain of the mariners of the section of the section of the and the set of the second second many the form of the control of transfer to the contract of th . The second to seem the second and the same of the same of Bullion

the state of the s A = in the state of the state o a down of the second of very in the the second Et. I have to be the second of . The second of the property of the second o 4. J. T. P. (ot) dP = the Property of the stand of the At 1 1/2 Yours hard non ki : Mi tong. To kum. In ling a more work the shirt haste.

At = 1,2 kg = h, kg = A, [1 - kg . 3kg dt] with with the shirt haste. doter muss di apre. Mirme des torderte dorques mil Verent copy de star proper Cat + gt, findt = ct when I immed sempon so store Cy = C - My Oki ele in bei for indul imaging the second of the testing of the desired of the second of the second of Its is it mer and the into the last of intermedian

1 7-2 , w $\frac{\lambda}{l} = \frac{l}{l} \cdot \frac{l}$ 134. .. - <u>1</u> $= \frac{d}{d} + \frac{1}{2} + \frac{$

= -0.131

=+ 11/1 The real day his a Shirting will will a see it is Low Sin Single State of the second se she ince the timperless on from all adverse to mer with the field and a sign of the contraction of the deal the contraction was to so that we are a first of the west of ensuite in the history 1. s. p. in a con a contrate, bei Volumes with down the ky string har for the de ta, a comprese de de l'invent, d'as port & 1/2) de - - Jarody ". Here is every where to dear their k, tell, sice much do hate, July 1 miles of the frequency

the second of th 4. the second of th and the state of t and the second of the second o and the second of the second with the second \$... s 97. Id = 25 Z. La do will region in. Twist Annalong is less a distriction フジー フラーラー ZT [1 23 - 空 元] there odis the ind " on in $=\frac{TZ}{TE}\sqrt{10}\left[1-\frac{1}{2}\left(\frac{3E}{3E}\right)\right]$ for in the Color with some were the server the server estax declar much it, it is . Liver Former for bright ... in sintuite. cho immed to the her the first the 1 = Z2 Tro 1 = 1 A= = A J. = , =

and we start to the start of Sing Start Start of 16 = 5.20 12 = 2.16 1. 1.14 were teloned al $\frac{J_{H}}{J_{H}} = \frac{T}{J} \frac{2J}{m} \frac{2J}{J_{m}} \frac{2J}{J$ $=\frac{T}{J}\frac{\partial h}{\partial x} - \frac{T}{Z_{2,2}} - \frac{T}{Z_{2,2}} - \frac{T}{Z_{2,2}} = \frac{T}{Z_{2,2}} + \frac{T}{Z_{2,2}} = \frac{T}{Z$ - T 2/4 - [-1- 1] G = Mr T L = A J J - - - 1 1/2 Li ils & pr/22: . enc. hall I dist the suspense a decrease on a fine of the 1A=47 131 = Pala = Pala = Pala = 1, -1.1. 生、アンジャ、ニアアが、ニークリング if = \frac{\partial}{2} = A \frac{\partial}{\partial} \land \frac{\partial}{2} \land \frac{\part there wie her hand it is for interes own to he with " you want and " out to de la servición de la servició - - Tor, - Tor, 1= - Tru. John I'mandi kuli Tima as kine i ... in ing I den Foller? Acceptance in the sections of . I weith Single to specie me!

ding to -: = T v . < = = = . And the second of the second o = + = fo [= + 1 ... in dimension ... MI : Strait = Tom France in hil Just the # 4 = R. 道 = + 1 号, + 丁克 and the second s A. all. 4=07 1 300 = 4= 1 + Utile + J1,3[- == = = + = 1,5 + A 2 in the second of The summer was a first to the second of the

P =- 7 4 7 # - 2: $f = -\frac{T}{2} \log x + \frac{x}{R_1} \frac{x}{R_2}$ English Wallenger 1 to 19 and . 4 7 . · ' ; ! !! I have the said of the Ja die man vor der der Molingen der der der der R. L Section 1 1 Here do y do do in it is in your F(I,y) - K Tp. -K. T.p. + D = 0 a constant of the or not a contractor their or Time? For a man harpy von der Er termy de hier den von tomist of so the tok + a = 0 enderessed sem Turni Dalo melling a mother sugar a many

The second of th and the transfer of the second

B. Heli in .. the inven $\frac{\Delta E}{E} = \frac{1}{E} \left(\frac{E}{E} + \frac{E}{E} \right) = \frac{1}{E} \left(\frac{E}{E} + \frac{E}{$ = 100 = AVT = 4 4 1 l- 181 10 = 109 P= 108 2 -1. Al = # 12 = 11 ... E 44, 12 . 42 900 am 10 114: 77. - 400 -27774 in oliver. I her Feller in it is in go in the second of th . it is a some der Art les is in a sur provide de mande Letwent just in in it is a second of the sec the face is great a face of the and we finds w it is Mille der R. C. C. C. C. C. = And dx dl so find do

57 . 7 To messade in the state of the . . It a how had got a little the same of the sa to and in a set of Formers and a Sundane, less du stell es well a le the traine defends the traine differ as the theft it did note his - but and 2 miss a decide to " . I grand with water with a charich. - ile The Me endo (= 200 do = do do do = Edo e cod = Edo e tote = + Edo e = = Es visible in a sind formage ince the whom to Di ist Who less the a miles of de , mi nemet ! Franch ist

1 = 1 1 1 1 1 1 1 9 - 9' in in A o wat B-2" 1+ 2-0-3 in Grandent gill willy () g = / = 0 1 = A Si - 1 = 4 : 1 1 heter 721, 45 i = 1 Si 4 29 29' in= i sulfamily sin 649' 11, 949' hildle is Ja. in 1 19 my) J = = 1/2 + 1/2/ Fir H= 0= 0 1 = 1 = 1 1 11 - 12 S= Si 11 = 2 11 10

The second second second as in the second of the second is a sound of the second of th the second the second s de juliu in it de l'an de et julius de l'anne to the state of th In which took an pen of sind more and it is the work for me to the , down of here is not fine in the second = 1/m : 1+ 1/2 S: S'= fa: fox m= 1+v = 4144 , 4 6 241 - 1 - 12 1 1 42 1. = 1+ 42: 12 -42

in the second se in the second of Ende lande the trade of not more for the contractor of the Sufference to List de - met il me police : il = de , dans engine de frankt in inspirating post not do and = w = free how he had a date stadente justice à with its de, up, in a second of the first of the first of the second of but it is the wife of the said the war in the all and Having single from I want with it figures have der inter out her minimistra in the time notes the expedical Their was the have and I to the fire interest in the harder with the aller and the fire has he had harder the many total and the harder that when he had a the head to the second of the harder that whether are all for the harder that whether are all for the head to the second of the head to the head to the second of the head to the second of the head to the second of the head to the Nein Andyon? In

T'--K" Variable of the second 1 1 1 1 Experience of the state D- 11 (x = ") x - x + 1 x - x = 2 + 4 = 3 7 1 1 1 $e^{-\lambda^2}dx = -\frac{t}{\alpha} \qquad = \frac{t}{\alpha} \qquad = \frac{$ $\overline{L}_{2} = \sqrt{T_{0} + \frac{T_{0} - T_{0}}{\ell}} \times \overline{L}_{1} = T_{1}$ D= D- = 8 20 1 T- = 8 E 1 Eo = and (in ilien, or de trade. . - i'm in formit (2) Liter, selle f 2.40 . 18.

53 the state of the s Merch to the second 2=076 noch ; ... h = . 8 . + 4 K = - 5 - ? . . 3 2 · · · · · Jan Branch 2. 3754 0 = 12 1. 17 2000 . . . 181,271

The series of the series of the series of こーパーショー シン・エーラックルーラーン = l = 1 = x x = 1 = x \ [= 1 \] =-1 = 1-1 + 1 2 = 1 = 1 = 1 = 1 = 1 exel 1+x n dif = a a-1 & stope in 14 stro = 1, 1 + in ... = 0 120,0, 2

55

 $\frac{1}{2} = \frac{1}{2} = \frac{1}$

. . . V

: 4. 2 the xxxx in the same that $\frac{d^{-1}}{dx^{-1}} = \frac{1}{2} (1 + 1) = \frac{1}{2} \left(\int_{X_{1}} X_{1} (x) dx \right) = \frac{1}{2} \left(\int_{X_{1}} X_{1} (x) dx \right)$ 7 / / 1-m/ find with + All me + 5 | 1 | 1 | 1) Limited the the transfer of the second 1. 2 2 ... 5. 2. Commence of the second 1: = 1. 12 17 14 22

21. 1 50 502 . 17.2 2 2 2 2 and the second s ", = m m-1 1, + m ... and the second s

I have a transfer to the contract of the contr the fact of the fa hours the second of the second with the second of the second of the second of in the second of the same of the state of the same of the s the in sec so the Option to the test to the second production in A. h. m. with the same of the the second secon 4/ and the second of the second o in trancin, the constraint of the second of the second of the second of The state of the second of the es essert the second within Down the transfer of the state of the state of

= 1 1/2 = 1 1/2 = 1 1/2 [1/- 1/2] } 五五·10/41 11-19, [1-5]

And the state of the same of t and appropriate the second of the second the market is the second of th estable to the second of the s and Joseph Control of the control of Fallery to be a second of the in the second of and the second of the second o and the second of the second o

in the second section of the second second second the second of th the second of the second of the second of the second the same of the sa The second of th de la serie de la serie de Frede Wakelow gry 197: Knoth Marion Living a line of the Million & days . (m) to be to the me of delle - "the story of the story of

21 - 21 -- 21 -- with the state of the s Ra else in as in he is also in the first deather." From the second of the second it. with the second of the sec ing dans to the second of the e to the contract and the second second and the second of the second o manufacturing the form to the control to the contro Contract the second of the sec and the second s the state of the s

The state of the s July 1 Carlot Carlot (du = 1/2 .) ... 11 = 5 - X 斯· 10 TT = m 化片, d 4 点 200 元 V + rith A The state

10 Mary 1 The second of th y y my in let polar will a server = 福尼女子 my have the second of the seco sen in 2,29 or fell interland is not write in consider and continue is it you harper to desire a good the life of

in the second of in the second of if it is a continue in the market and and it is and the second of the second section will be a second of the second of t of the war with a series of the series to the the In the second of the second with men! in the second of and the second of the second o - 74° 1.

2 Siele peg 55!

War denken um folgenden umkehrboren Viretoprocess: 2 Kirper A mit B. vollksumen schwarz, mit 2 anderen A'und 3', vollkommen strehlings to, als Weime Reservoirs) so verbrunden dess sie van doesen, durch Lesting ch) Waime enfrehmer oder ihren algeber Konnen. Asi fin a von daselberting. hereglich A Nom mer de D mit der Li Mges hurindigkeit von A, nach Az gebrecht. Withress der Develyng: 1. Wind some Temperature weekse derlit der Vorde und Antapleiche von Dentstellen velche von sienes Ess steer seiner Wellen allein (Vone A) hereicht? Wind allengen van Corre tins-Coff. des Mins; jederfolls konner vir sie vernachlossege, vern D. B els as dinne Platte gedell vira vegen der Zichny. 2). Die mission denert bei B nyestort fort, daggen kinne Stroption der strotlen von to M). Yourde bler misste der linflers der Angebong in Detrecht geryen verden; deron kønner nir ins frei machen, venn sik ins mer die imander zugivendten Flache von A md () strehlend derken, des übrige verolbert. Withent du Dwyng von a vint A abgekill (eberso (3) und war um $f_i = TC \int f(\theta, \lambda) d\lambda$ wird ober durch den tre flows deeser Wormenerye our A'Nun verdasse durch Englins der Wormenungen & Jenseinen der mit Teng. (M). durch med enrische Arbit) ernf die Terry. θ_2 gebracht, und B wieder an Abranghoutt der Grim an Warms $(f_3 = \tau e) f(\theta_2, \lambda) d\lambda$; num wieder Terry erwieder grug durch Wegnohme der Worme (qu = qu enf t, ; dorons middeloge f(t) = f(t) 1? Was ist foliat?!

Wellerleige Kinstists muje ing Atte brygg E-cools Joan et 27 70 ! = /c a 4n2 con la (t x) dx y= a sind t-x) y'= a con - . 2n = c e 4n (t x) $= \left[\frac{\lambda}{2} - \lambda \sin \frac{1}{2} \left(\frac{t}{x} - \frac{x}{\lambda}\right)\right] = \frac{\lambda}{2}$ = c a 2n 1 $= ca^2 2a^2 v^2$ Legge Knetische muzie einer Strecke Wellenbewegung wereims ampter = 0 = 2 Henn sit de Krige mid Gednondigkeit u veg bevegt, so werden næt degeler die Wellerleigen vegeodert in the total to Mathan doo ken Energie enfihm $E' = \omega \frac{v^2}{\lambda^2} \left(1 - \frac{u}{v}\right)^2$ $T = n \lambda = \frac{v}{T}$ Werm or sich mit desulter Senten had ykirt her entervegt, so entstelt E" ~ 2 (1+ 1)2 E + E" ist ober no M = 2E mis men enverten wiede !!! 2 [Dei Long to dindwillen win die Argument stron falsch, weil motor die che denny der Sestwin dig keit schon her "en mit whomat, ober her Trensvers absoller en fill heine la myonente an di I'Mmy! Nort In untersuchen! E+E-2E= also so els ob embuden Wellerburging mis Es hirindighis in bestanden Lette !! DE DE = we undlangig on)

Wenn des A Transverselvellen aussendet, und ein dieselben As orbiner der Worge B eine schnifugende Deveyny mit der Seschwändigkeit is in der Ri Atmy A ausführt, 20 verbrandt ex dezen eine Energissienze E, 20 dass

8: E = u1: v1

Reipseld vint and die Dewyrny von Deine Willers lang Arvorrafen, wellke A afficiert.
Reipseld. Wie verme Deine harmonische belod nyrny? Lind rich nicht ein ungeheinte

Johns siden out Willeber . re , and the on you W Ela frid= 0.006:0104 = 0284 0.00 40 1 0 124 = 18/1. In 110 m: 0.527 = 0.00 2.11 5'0008 : 0:251 = 0'008. 9:0 An est armed 7: 5:20 18:58 2' = 2'3212 11 = 11/16/11 dr. - il - kil h 三月ニュート・ナインニュ

y ... 1 31 , -., F1 . 1 12 i in acci 1:2: - 2 33 1 2 , -11 19 1.11.31-1 1' - 1 G. 13899 3 1'6 17 j. J. j. - 2 1405 1. . , 9. 1.2 -4 1,000 0. 1. -5 1.1232 ta 12 1421 -5 4. 8.20 1.20 11. 2:350 - 5 dir. 1.33% 3 : a 160. 13. 岩鄉 0.3 19 -- 19 - 12 - 1 4.0 4. 2 : 3 11/1 1.1 . 1 - 2 2.530 1 4 3 2 7 1: 10 -155 3320 - 12 " 0 1: 12 I with a second of March 19 march 19 march better builte the contract of the contract o

isti for a feel the total a cons no sin in = 1 これなり、これを手が伸手、ツァールド、これ Amended to be in a west to the state of the same bort in part of the second is you've be vorte, den the feel of his fiely wanter in the God with the wife of the wind with the wife of the wind of the win = £ 30 .. coy 1 = £ 101/2 vion it is a but state and Clonders to the Re Illie in min whi Description of the Along major as a fall of the E=4/5's. 4 24 269. L' = English At 200-0 Stripe der Anting - Street house in the des F = 1 / Daip s... 1 the

the state of the s a contraction. . . in - fee J. A. J. M. T. C. - L 3, many of Arry 1,

and the second second it is the set of the s to the second of and the second of the second of the second of in it is a simple of a second the fact of the second Add to the form the same of the same in the same J. mulige in un representation [= fadis] in the same of the filling win = fills

· Source of the second the state of the s in: 有一大一大一点,一个一点,这个大 And the state of t Life of the second second Solve \mathcal{L}^{2} $\mathcal{L$ The state of the s the commence of the state of th

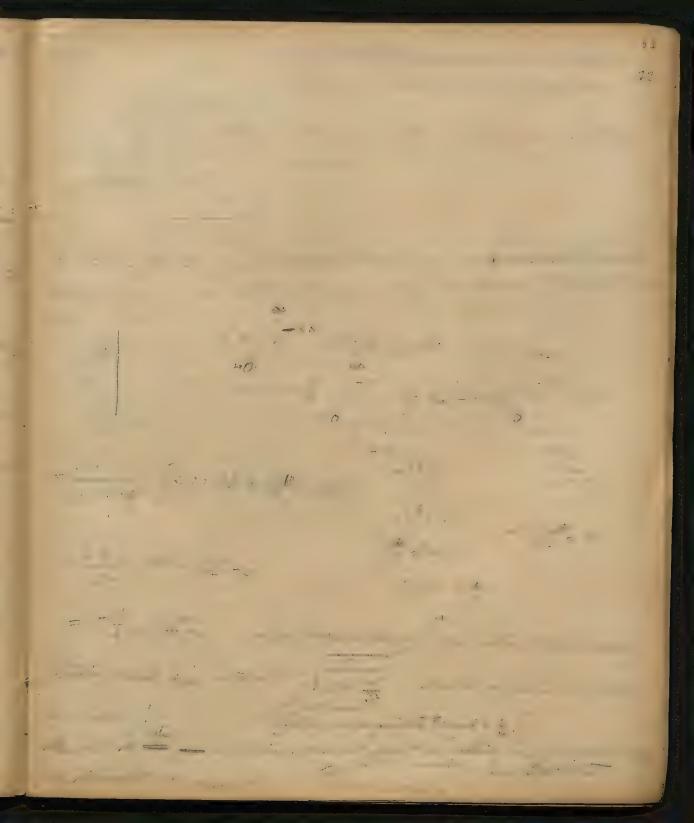
process from the second 11.16-1-1.11. in to day the second of C. D. Said John St. Jan. 1. and to the training the second of a first many I be of he will also pick of the sold of t Mrs. kir entire from 1,000 the single the said of the = 12 14 dx statistical met in not be story " a sel with it= = 1/2 (and) Ni odo Ph. water: d [2]:6.1)

and the second of the second o English to the Control · lodi - C i the line of the the transfer of the contract of the second " When we for it is the second that I have the second ... /s ---Let a service of the in a series to the series 1. A in the first in in I want into a The state of the s in the transfer of the second of the second

The second of th De La Company of the second May the second of the in the wife of the second in t e. I. with the service of the 12 popular is migh Here it you . , and est interior to the state of the there were Le comme de la com

and the state of of in support we are the second of the secon entre de la companya energy A to g and the second of the second o The work of the contract of th X X X つ 静かに言い e to the second of the second the second the second of the second of the second depole to the first to the second of the second of the second

plus with the second produce the second of the seco ander the die of the Minister of the second the state of the s and the second of the second o · With the same fart ... 12 . 1. . 1



1 the state of the s = 11 ... Bridge file of the form of the first of the second to a security of the second of indicate many or interpretations 1/1

As the state of the state of the ζ. [~]. . ~. in the party of th the join with the the state of the s in the second of = distinction A soft word it , i and it - S. 1. 2. 1 . 5 is meger andwer. = 9- how then in I is the de words the English of the wind it is down Description of the second

= = = = = = = = = = = 1 o - we applied or termenist this armen Kill at Al -Mildel man die Summe: fra fe dry dw, nowed his: = 472 7 = 7 = Gesommel durchstraklung

Desser folger dermarken: die Gröbe &= Winkeld! Aligkis des herzieflesses = 3th

die derken sie ems els Strick eines ao Ordonnes = df dx in der Richtung develben

olso Sesaret Ste dieltifail = \int_{6} = \alpha d\frac{1}{4\tau} = \frac{1}{4\tau}

and den Stricke de vist down du Drustheid a chorbist = y of dx desselle Strick studel in diese Lichtung aus: y du done Sio be minon gleich sein, was that säcktlich der Follist; also kein Wides und gigen Erholy d.E. abs pleichem mi Es migen jetet swei Körger mid verschildern de und glane winderstoch; verm die Teny. die glei he ist, muss beiderseits durch. If ens dem einer Holbronn in der anderen die gloi he Neuge flieste also 1/4 = 1/4 = const. = f. (1) = 11 Werm aber no verselieden ist, so findet theiliveise totale Reflexion slott iber, vo sing, = $\frac{V_1}{V_2}$; und ungekehrt gedt mer dieser This The Steadling von 1 mest 2 üle, das endere vint total reflectist. Also 41 sing = 42 = 41 1/22 Somis \frac{\empty_2}{\alpha_2} \frac{\empty_2}{\alpha_2} = \frac{\empty_1}{\alpha_2} \frac{\empty_1}{\alpha_2} = \frac{\empty_1}{\alpha_2} \frac{\empty_2}{\alpha_2} = \frac{\empty_1}{\alpha_2} \frac{\empty_1}{\alpha_2} = \frac{\empty_1}{\alpha_2} \frac{\empty_1} dos and In toust an = wnst = l Ad pay 568: Absorbite Hickling des Rommes links: Shorket Stadling des Rammes reeds

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1-ex) 2n sing de of ersp ynd e dy 2= 2

[1 x = Toop

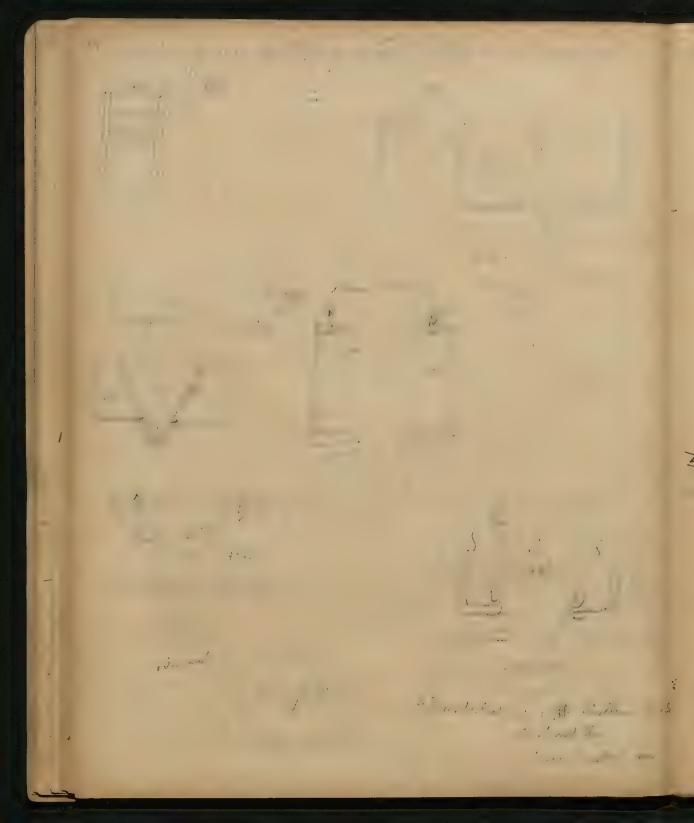
= 4 / dp2n (1-e-ax) (1-e-ax) singles q de = $\frac{2n\eta df}{4n\alpha} \frac{\alpha \delta}{4n\alpha} \int_{0}^{\infty} \sqrt{1-e^{-\frac{\alpha^{2}}{4nq}}} \sin \varphi \cos \varphi d\varphi$ $\int \left[\frac{1}{4} - e^{-\frac{\alpha^2}{x}} \right] dx = 1 - \int_{\epsilon}^{-\frac{\alpha^2}{x}} dx$ The fact Read to 22 1 d2 + 1 d323 ... Here Energiernengen + k & 27 df = y 5 df [Forbsetting von reg 71]

A = strate Nor Wirking des Stroblenkegels von Morsell A ouf B

Wirking des Stroblenkegels von Morsell A ouf B

No de sich sich ober die Wirking mit fiz o Nech pag 65 ist also die Wirkung met his oon dem Seith Schninkel; n = VM dro W = (VA) 2 ml Num ist aber 1/A 1/2 = const; also Wirkerny prop. 1/2 also prop. dem (Drechungserp.) des Medimus. Wenn deggen Ill nA = VA < 1 so kam om Keylandet Schwinkel god wird, eventuell tolde Tyl. Sobtfinder

Jetet int as glidg. Uty of du Winkel BAD noch grid All gemæiner Fall: verschiedene trischenschi Atta in Hedium ideeles Schwinkel y virklicher inneres Lhrinkel g wirking wird prop. $\left(\frac{\sin \varphi}{\sin \varphi}\right)^2$ 8, toa, + 82 todat of toda + of toda = 8 toy 8, Vi sing + Si Vi sing + VV2-Vising + = Ssint · J. sing= In Su [1+ 2 sing + -] sing 25, v 1+ 1 1/2 sing + 3 1/2 sing + menns y resp. q klein sind, geningen die ersten Slieder: sing SV, sin = sing SVA (sing)2 = \[\left\{ \single \text{VA} \] \\ \\ \left\{ \single \text{VA} \] \\ \left\{ \single \single \text{VA} \] \\ \left\{ \single \single \text{V}} \] elso verm 2, = m, den Drutthil der Entferning angilt, wolcher durch das Me dinn Wishing = MA (sing) erfull soint = $\mu \nu \rho$. $\frac{1}{(\frac{\pi}{2} \frac{m_i}{m_i})^2}$ = pry. 1 [\(\frac{1}{2}\) m, v, \(\frac{7}{2}\) he the sound have been a second or the feet



in the said 1 : che refinite in the eine the second in the second se nom to by a sure to the di de de de la como dela como de la como dela como de la como de l sury man he day a wine coy Ap = coy Ay

- 2n / singen g dy dr" 1/A e sh"-ke) dry= & v \ -2 (\frac{1}{14}) sings tog to 1- (\frac{1}{14}) sing tog to 1 - (\frac{1}{14}) sing John - [1-(1/2) - 3 (1/2) sing by dr'ist his constantens ey en nehmen dro ein fach: sing dy dx e cory foliat! My dep = with dy sin x dx sidr= flox. rus . n dr. rsinx

) -

7

4

れん

- 4

An Shaly = 4 dy dr $\frac{n'\,dy}{my} = \frac{n''\,dy}{my} = ds'$ $= \frac{\eta}{4n} \frac{ds'}{n'^2} \cos \psi ds$ $ds': ds = h'': h'' + \frac{t}{m'}$ $\int_{0}^{\infty} \frac{ds}{s} \frac{n^{2}}{s^{2}} \frac{ds}{s} \frac{n^{2}}{s} \frac{ds}{s} \frac{ds}{s}$ $\frac{\kappa^2 = r'^2 + \delta^2(1 + \frac{t}{t_0}r_0) + 2r'b(coy + bot \varphi \sin y)}{r \sin y + b \sin y} = r' \sin y + b top \varphi = xt_0 + b right = \frac{r' \sin y + b \sin y}{r' \cos y + b}$ 2 r dr = 2 r'dr' + 12 b sin yan y dy + b(any + sin y siny) dr' + k'b [co y siny the + + do (sin y any - sin y)] no dy = siny dr' + being + r'ery dy + beng dy AMM dr'ery - r'ery dy (r'en y+by)

r'eny + b

r'dy = [siny dr' + r'ery dy + beng dy [r'ery + b] - [dr'ery - r'einy dy [r'eriny + b sing] = sing sory n'dr' fr'ing dy + br' coppory dy + bsin y dr' + br coydy + brus pdp-- n' dr'airque y + n' sin'y dy the both sin p unf + br' sin ppsin y dy = n' dy + fi co (p y) br' [cop coy dy + (cry + sin pain 4) dy] + + & inq dp + & dr'[siny-sing wy]

Integrale sche schwer enswerbbar, jedenfalls eber vir SA HB = fe (dA, VA, do, VB, b) = SD serin muisses und evar, da b bliebig ist, doct vier nuss sie von b milt anget sein do afe = 0 $\int_{\mathcal{D}} = \frac{\eta_0 ds}{m} \int_{\mathcal{C}} \left(-\frac{d_0}{n} n' - \frac{d_1}{d_1} \frac{b}{m_1} \right) \left(-\frac{d_0}{d_1} n' - \frac{d_1}{d_1} \frac{b}{m_2} \right) \left(-\frac{d_0}{d_1} n' - \frac{d_0}{d_1} \frac{$ x' w y + b = 2 to y = sing = sing = n sing r'siny + b top= y (2-b) to 4 + b to 4= y b2 v2 siny = y2+(2-b)2424- 2y(2-b) tyy I mid as y als Vai able ein friten! ery= 11- (1/2) sing as y=x wy = 1-(1/2)2(1-x) do= 22 dz y dy $y = \frac{2-b}{x} + b \frac{v_A \sqrt{1-x^2}}{\sqrt{v_0^2 - v_1^2(1-x^2)}} = \frac{2-b}{x} + b \frac{1}{\sqrt{\frac{v_0^2}{v_A^2(1-x^2)}} - 1}$ $dy = \frac{dz}{x} - \frac{2-b}{x^2} dx - b \frac{1}{\left[\sqrt{\frac{k_0^2}{k_0^2(1-x^2)}} - 1\right]^{3/2} \left(\sqrt{\frac{k_0}{k_0^2}}\right)^2 \frac{x}{(1-x^2)^2}$

 $S_0 = \frac{90 \, ds}{4\pi} \left[\left(\frac{-ds}{2} - \frac{2-b}{x} - \frac{ds}{4} \right) \frac{1}{(2-b)^2} \right] \frac{1}{4 + b \frac{\pi}{4} \frac{x^2}{\sqrt{1 - \frac{(x_1)^2(1-x_2)^2}{2}}}}$ y = Schwachings factor infolge Breching; muss hier in Octableprop was d. 2.11/17 7 2 " Your die Coloren Wester de men de la profes den las to a first of the second of th for sing on dy do in in · indi ilation in its = 200 / x e do The first of

ide by 87 - in the first of the second

I sometimes and the second sec the same of the same of the same of and the filler will be outwart to fill it Some And the second of the second of the second of the india interest in the page 87 det the diety is tage in to see you go and of the No of the best the first of the transfer of the transfer of Docker a grown the all west area influence to him. It if it side do ken it the consideration in the the the the the + J. mi Journ 9. 2. 1 2 m; . 15 a continuo and the attention to the frequency Thurstonic descript the last of the Eleter Could be also he had a for the

in what is the state of the sta 1 som to the grant works and a) Exdx #2

in it you for the second of the second of the second of * 1. 1. 1. X 1/2 = 2" : 3" - 2-2 = 4+ 2 = + 7 - 70 1 + 40.00] 0-30 = -1/= 1/0 [// 3x] = 1/0 [1+3 /2 ... youds a Remove to by AK = for the con- $\frac{-1}{3}$ $\frac{1}{3}$ $\frac{1$ Tanton i we 1 1 20 . 12 also blook 2 just to to your mon he will be strained her in the The Allering by Kritch in which we have the server of the state of the state of the server of the se the motion to wit in the last (neg 71).

Marca Land the last of the in the first Mary - Mary 1 - 4 ige it wig = let Mis x + y + Mix i + i dist. = x + ; + 6 2 12 - 16 4 1 4 4 - 1- my 12.

.... istimat in det willing du Materiale l'ille und destinte Networking dans to rete in the year over in it among with a little growing in to the time to the time to the to, to the fact with a form to send processed. State Engthistend & Minister tille . " in in press , and and the second with the second of the second

1 - In the state of the state o 7 / / / / / the section of the section of en de la companya de in the her wife in the deciman from the second of the seco the section of the se will the the making you so he had been the way of the south to the hours of a copy to be with a site of the self men " it is it is a later or office. 3 may, best Court ! Jede fitte in it is a ser a server to the me 3. Du transchine mi diementer. inniger . i.

Experementalle An ordning ad peg. 80 .. 81 behafs Nermy der Zertingsfähigtes von Gesen (verdinnt innt ultraviol. Zi It) Falls Sas lutim wind, wind such der Sun solenge mitbaregen lis Torson kap dum mittleser Teftridusant glath wint. Garons angenicherte Derechnung Jon Röhrer konnter mer die Verstrebnys Thome Jenem verstre Allgemine Eleichungen der por dero motorochen Krifte von beregten Zateen (ohne Steinne) Ad Hell'sker Oh Enomen: For die electrische RAM Formuling offenber ganz glor Agaltig und ments herdber of Widesland, of election. Kreft. Denn # d # = de - de + 4 nt (P+X) venn X = aP, so hem ebersognt gesetht werden X=0, $L=L_0$ (1+a) woll and his his notation, he Wides. In dering du tall. Folon eners Unite on Any des Merenom gen. Effectes; de die elekter . Keef/ eine Artest bistend it, mun and Unkeling fitter; be the sem, vershiedulit and diese sometin willight Ursade des H.E. sin. And die Tenz. Unters diede dies les Argumentimos relienze vie les thernes clects.

and the second of the second o 61 ,., ., ., . . F a in the contract of

Semperatur, vel de deroch lis kirkling erre't At int. I. 2 Alt Totale Africhen de Vanermenge = abgeschmolsene Neuge $\int_{0}^{2\pi} r \ln dz = -\frac{2\pi}{l} \int_{0}^{\infty} \frac{d\theta}{dz} K r dr$ inden soll o mis isteall flood fort sein, weren met die Form der Ersoberfrache mett = - 12 h & (dt) 2=2 S. $\int u \, dz = -\frac{\pi r \kappa}{l} \left(\frac{d\theta}{dz} \right)_{z=\frac{\pi}{l}} \frac{1}{rtdl}$ The samuel Warmestron $\operatorname{Reg} K \left(\frac{d\theta}{dz} \right) = \operatorname{Reg} \kappa \left(\frac{d\theta}{dz} \right)_{z=\frac{\pi}{l}} + 2\pi \operatorname{Reg} k \left(\frac{d\theta}{dz} \right)_{z=\frac{\pi}{l}}$ b). $\mathcal{K} \frac{d\theta_0}{dz} - \mathcal{K} \left(\frac{d\theta}{dz} \right)_2 = \frac{2}{\mathcal{R}} c \rho \int u_{\mathcal{R}} dz dz$ Erifachere Amahme: V-Dymensina $u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial x} + w \frac{\partial u}{\partial z} = \frac{-1}{p} \frac{\partial h}{\partial x} + \frac{u}{p} \nabla u$ #u 3x + 13 32 = 13 h + 10 0 I). 8x + 8x =0 Tring mittelt I und II.
Unwoundling der Coordinater auf I otherne Grensbedingingen: fris \$ = 0: u= w = 0 für z = Z: u = 0, $w = const. = \frac{\kappa}{\ell} \left(\frac{\partial f}{\partial z} \right)_2$ fin x= X: 1=0 I) $\frac{\partial \theta}{\partial x} u + \frac{\partial \theta}{\partial z} v = \frac{\kappa}{\rho c}$ $\frac{\partial \theta}{\partial z} = \frac{\partial \theta}{\partial z} v + \frac{\partial \theta}{\partial z} v = 0$ Grensledingmyen: fin 2=0: K (dd) = K dto = undas $2=\frac{2}{\pi}: \kappa \left(\frac{d\theta}{dz}\right)_2 = croskus = \frac{2}{\sqrt{1-2}}\int_{-\infty}^{\infty} u_x dz$

, i. . The second second a new contract of the last of and the same of th I was to the second of the sec

the second secon 1 = Metro + Va. A Restriction of the second it is a second of the second o L'acción A &

with the second of the second * Color, Fry hand to and a second and the property of the second control of th 1. Historian Paris M. we Etal gray! gt. X-t. x= F+n -, r'.
y(-E)+zE Allen Fi: X = 1/2 Ex - 1/2 - 1 = 3 F - R 2(37:15) .. E

in the second of X = If 1000 × 10 in Fry 1-98 di . direct to 1. . . . The second secon age to the start 1.

1. Line State in the second

Folsol, dum nejotive Rolchen mader doeselle Devyry; ottombenen blaken gere de t of the second

Orsherige Theorete der swomster Lignersion etc. Set en dels die absorbrende Redien els you ens Nobele en en menges etet, velche gers ser Esqueschore Jungen falsg sind; richtiger vare voransensetne, den sie dienthe end wirklich ensfisten (venigs ters theshoese als W Wermestockling); die No dificationen derselber infølge Enstrer Destrolling! Warde die Erstermingen der Fluorescerz eine Ohogh inche. Di Wermestroller über enf hosphoreners eine aus lärderde Wirkung ous (whole transmy schnellers Allers!). Villeicht winde mon viel mehr plus phones crande Julstonson frinden indem man sie auf tilk Temperation bris of und our five buleden Warmer traky rebritat. Ad Inmlies: Wie wisht die Reaction des Danyfes infolge Strommys gentuand. ouf der Druk zurack? Arbeit infolge dem. Aus fin Lung der Aquivalens zvis den Zerting und Convection. Convection von Handpunkt der kinetist Gestheorie; Stromwerne = lang; As Exporded does in lowertion thou and durch thatthis inventery dynamoelekto. Itiome in ducid verden; Ents tohing derult : Wind die Litungs foligkiel von Elistigheiten beinflust durch ultraviolette Durchstrakling? Venn ni Miter de Elis Lighert Jemis At verder, wind Testings veningen gestelget ", " electr, Richestendolding ", " , forte Worker Ist do hein turammerkay?

be

d

_ / / _ IN mint du Unter shirt zwischen + und - af. holla dung in Sis Alu R. großentheds erklarber durch Inchdofferer der Zuft analog vie Strömmys-Ströme in engen Röhren? Sibl es elektrische Endos mose Wenn magnetische Krespwein milt zu'sche H=+ a und -a sonder 205 When bt a most b-a douchgefaht w'nd water bles bes Wreder had 71. die Enwen dieselber - Werm ja, en As prist jeden Omnkte ins møgnettssku Die græmm ein Taar von Gurour, eine fin aufstiffende, eine für alukmende Negneti'n'rung (soll wer diger weise?). Nomentoner magnetis her tustand und Embores Fill somit ausdurchber durch 2 Varemeter der howenschaaren. Holes theinlest mer some hered riktig, veil andreden van teil alkangige langseme Andermy. Merry der Aben! Aller johit van der Adernysges hv. von H!

Mathemati, he Dearlisting don bypother Jaguis: Mole. = Flatykitstropp Elestication hi ofte des Storks winden ersetet durch Cop. Clart & to keft; diese Tropphen sin? [Desterigle Afriche end! L. Royligh Fra Roy Sa. 196 95 79] Werden fol alls duringing her hinre der Verdring apers odort niftyn innerer Reibny? Oder voide Kørger? Electrising von Dielectricis analy X. Kellain's Verniche Then Veste. der Luft. Del empting: Licht Unter shied wisher + und - Polin Susshe Roh beneft auf innerem Duck untershird der Zoft Schringingen von Nembranen very Olatter) in the ihrer Elene Angelformige Tumbram (Plotte) I think for a second of the second 2). Administração do Mila de Constata do Const note the state of 3). en en et it is the suit in Eight on it is an in the suit of the su i man de la cometa del la cometa del la cometa del la cometa de la cometa del la cometa de la cometa de la cometa del la cometa de la cometa de la cometa de la cometa del la co

n= di+Pj+j+k g= 3, it guj+1sk I. Wern Vinhto of Louise et flittend gedacht verde; somis that Dest'anny der L'Atrago vila ergill

Nisimole zur Dettining nöttige

Translation (nithige land)

1. White Personale and for the services

Translation in der history zweier Daugny kann dargestellt weed-Neximal belocky Omboling 12 Compt. 1 Wilreb. Junkt 2). Time folgender windsdrifte Gereden of at a 1 Druhny um dien Enthry de Alse El 3). Flore I Dreday um eine Sain ihres Ehm

Schilde (byzunste) Starre 1 Combal 1. Pinh 1 Transl. # a as 21. Stricke 2 Timble mit 1 Dedingings . 2 Trans. abd 1 Irely 1). Flakenstrick 3 Ponte mis 3 1 Transl. 2 Drehye 4) Korpustick 4 ", " 6 ", delagtist en keaptrysterne die den Keyer in Rule losse obold kiepte 20 mit Elastische Schilde 1). Om st 1bil. Oin MI Mark. 2 4 6 2) Streeke 2 Troust. 1 Duling 1 Dehring), Flachestich I bel. Outt 1 Trans. 2 Dulingen 2 Schunger 1 Schering 4. Körpustak 4 bel. Timble 1 Transh 2 Dehny 3 Ithunge Danis olso D. ein elest Körper in Role I Schoringen Hill som 12 Dedingrysgling wishen den ricken der Kreft no thing (inden) wich delu diese well sudy lestement; missen =0 sein

Speralfoll : Compress = 0 Indirberhit = 00 the hyparte · Compris =0 Indirtartist=0 staire Koryen Indiaterhis = Korper in volchen duch elekts. Compres = 00 Strom Weine urugl - I Warmefluss kom unter Munda de Virhel Lohn namlid venn 3x(x 3y) & 3y (x 3h) olso verm 3K 3 3K Herm men eine Los my von DV =0 in ever demensionaler Schold von, kan men nitt darans eine solche für Polations körzer ablit. M X X X X X X . . . - -Toten eres hen ge or dust nach : 9. 4 & f. ... und Fourier', 20th nach: I am many the formal and the contraction of the con when the second of the second of the second of the second Ist es nædgeviesen, dans igent volche Korper (jederfolls mer Drelutte nigter, eine Volumed Atte der elekt. Za drug ennehmen könne ! I tolk Es skind, dan Sese sich nicht lader lane (?), beruht des ouf ihrer Niettletterkist fin skrache Ostertoldeffern (?); onch myskelet. ?.

Unterm dung John den Falles: im dute. Felde Elettrische Flächerladung entsteht an der Grunfliche eines Cordnetors Jegen Todator; offerber and vern letiterer with welkommen solivent, so lange his Ausgle A Sattfundet. Sound on A bei plotalister Feld-Anderny en jeder Grensfläche von Londen doren mil verskiedener Leitungs fahrigkeit, somit on de im Inneren von Conductoren mit continuislich veckschider Letysphyel. An der Grenzsläche weier korps 20. Dielectrica (mest vollkommen) læse man eine solre Ladning entstohen; venn diese min in emander diffundiren, var ges diett? Sinflum ont Copellan 10/2 Unkelmy 2.2 Orinay en Erkling von Zinienspectren Ar. Es ist nicht no this eurunchmen, dan sin Melec ren. Stom an sich mux die betreffenden Iten Wellnlanger ansender kann. Viel voles derrete Au dan allerli Idmingnyn Adtfinder, dan der bei gemjender Freiheit und List dener en Australian dieser Erschernz eine gegenstige Einwickenny herselbarter Nole. aufernander Adlfendet so dass mur gewisse Arten durch Resonans versteilt werden, also gegenstige Fluorescure im Immerer des staalled Køjers. Andogie: the Cadeluleun velike I'mer genige Unterschiede in Say Laber verder græn syndron venn nebe en andergestellt. Ekens Mall. J. J. Thomson zigl dass Ale electrostotische Shanging ouf einer get lestenden Kuyel sehr rant gedaingft verden; was verm Kyel anserdens

trænstotorische Vibrationen ausfritt (dem Passale in enfacten Vatalhas). Derechung der Signisch often unst des Feldes ite erregt durch as). eine in Kreise benegte gelædene Kugel (3). Vibrotione dosette V). in entgyenge what geladenes Kugelyaar, notorend me trottelymber. Ware letsteres ni 10 verve Abox als Sommologe and Theorie des Acquettons Constatt der Supère's L. Note wherstrome. Des litater minste Energie down Ity restrancht verden, da Strong Verwinstry on i. voras. sett). Bei erstern durch & Errenging von electe. Wellen. Krimter dein mil de Warmottealling in tis petint werden - (Dulung du C. Eben) Die Nansell'un Shirhungen inthalten H; da aber ump dare Naguettswas mit A set besteten kann ist die rings krung einer Kraft allete of durch Einher to pole definish ist, instionnell. Kom defin these benneres substituint verden? Im besten Helinsinseren und blots E, K, m bet Ster; down erst diene electris in Sleichungen in Thomas in des Magn. aufstitlent. W. Thomson behangtet, die komet. Energie von Antende Dewynge destis her Atome misste mit der til in rim och storische übergh. berveifte dies; Rechung! samper sturcinfles out ju der schoolt magnetische Korger. Haben magnetische ih Kröfte keinerles Sinkler auf Spectrum M. von Sestler 2.

Werm es value Magnetis nous gift so minste ein magnetinh Corveitionsstrom herstellber sins, velcher electrost, Felt erreger, muste. soit and word Rosland she Versuch mitalecto, rotion de Alotto. Rolotionochene perallel en Inclinatio, si liting dans die Maisoloude Tremmepstycke in der Aldter micht notting. Unipolare Ladu tion: Was sens Naguet ersetet durch Solemond mil Elsen oder hupfakern, verdireden Arte von Q. Roletton. Die ponderomoto rischen electromagn, etc keefte sind genan gegriff mer fin statis he tus land; sind singuess die Tormely geven is Atty fin figurite und sortige Olvigny: Ubertragny du Whandlings veine vot mittelst Kraft- und Inductions Linier A. enf Warmestrommy! An Seure vorier Korper; gilles carl. Themoreta. 3 Energie Primei ist nur Scolar Elesty; Entropie-Priming desfells? Was id volu & mension von T; varum virdes mit behindiger Krop identification Sill is Wirme-Fluorescure?

Ein Thil du Abreschungen von der Van der Waali's An Storchang kann durch Einfluss des Körper erklad verden, in welchen des untermotte Ges sich befindet; bisher immer Slas, vie oum Olis to: Einflows von Manh enf Entlading, beson ders in Ger Mis Poten Orobleme aus Wastentets leter At ; auf anstre Obuflache mign visken 1% sake Drucke in der Rechtring der Normster 2). Schermen sentreet darauf (ist jide flective de kieft darauf 3). For diren de Krafte (Normale als Rotations act. ist 3/ reclinator? Delichiger Körger; in velchen Tunkt ist Tagher to moment on geringsti, und um velche Sue? Thomson's Take: Fix Suspensioner while geringe Torsion in Verhalburs em Trojkreft erforder meleter tops it Kreisquerslan & unginsty; velika is bester. Analogie zvischen Magnetismus mnd West i it d: Eving aklant die Remanenz und Hysterisis ohne Resbrugs krafte ute; wie wirde sich eine demontsprehende Erkläning von elastischer Nachvirkung gestalten? Ein holomy polares and sphan to him in the mand is in the

Energisationing = P (All societ in testochet = for grin det net darant dans keine & menge verschrinden kann.

Gychen: En oder Abnotme (in jeden Volum element als fet) div $\mathcal{T} = -\frac{dE}{dt} = \frac{l^2 m t^{-3}}{l^{-1} m t^{-3}}$ $\mathcal{T} = m l^3 t^{-3}$ Susgett noch heine ein den tige sordern ∞ vieldentige Zisnne veil über curl PniAts ett suspessed vin. Somit: E = Pdi dyds Sperieller Fall: Warmelisting Linstock with with and north $\frac{dE}{dt} = c\frac{dF}{dt} = \frac{1}{2}\left(k, \frac{\partial F}{\partial x}\right) + \frac{\partial}{\partial y}\left(k_2 \frac{\partial F}{\partial y}\right) + \frac{\partial}{\partial z}\left(k_3 \frac{\partial F}{\partial z}\right)$ be: $k_1 = k_2 = k_3 = court$ = AB KINN = M div [KVB] = KVB(=) Worm 20. dt = f(t) = 0 so hat man Loiny P= 10 VA + curl of mober their Long der Steichung sein muss: \ TH=0; Auber intertient ist venn man k als Sialer anfford, dann ist die itblocke Annahme A=0 I hered tigli; wich later verm k ein Vector ist! Finalogge dry the curl k. TO + k curl TO = curl TA + curl = (Vdir A) - V20 a= in wilk. Do do

> d // Edv = // dir P dv =0

I Tenn blod kinetische megie merklich ist

T = P 2 . D D constant) = consection Energies lus

M. Ein Körpir bevye soch von Anach D

Dann ist durch jeter einen belichigen Gners Ams H zwinder, Annigo

die Energiemenge E = - f dir P M = \ \frac{\partial P \ \partial P \ \quad P \ \partial P \ \quad P \ \partial P \ \quad P \ \partial P \ \quad P \ \partial P \ \partial P \ \partial P \ \quad P \ \partial P \ \quad P \ \partial P \ \quad P \quad P \ \quad P \ \quad P \quad P \ \quad P \quad P \ \quad P

to Agammet down

De hat um en der Oberfläch des Körgers einen von Overschieden West

To dl dy dr = for dx dy dz

 $\frac{1}{\sqrt{2}} \frac{\partial \mathcal{T}}{\partial x} = \frac{\partial \mathcal{T}}{$

I Det Flishigkeiten an Steller oo keine ansteren Ke ofte oirken kommt

dazu = Im de mergieflum:

n & 4-2 &

D2 = 1 0 | Worm & A DA STATE 0 = x 1 of all = 1 at at a dy all = 1 at at a dy all =

=(pr May f X = (pr Wedx Vol.

Nach Evings molecularer Theorie des Nagnetissums mus auch die reschrindigheit mit volcher der turachs der nagneti'strenden Kraft erfolgt, and die sens desipirte Energie menge von Einflus sein, ins besor dere venn It so wast grot, doss die lebendige keeft der Drehung der Swhiele in Vertrack isomet. Shothing du Sroite der magnet - Maliel 2 (E 4. Untersuhungen über torsions - Waster. - Nachwirkung analog magnot. Weersland. Im Allgemeinen direften and Worgen and Volume Nachwortz vergen, ausgenommen inter Wryst alle des entire ten type to Ist Warme our deling fester Køyer ein umkekstorer værge j : Glante midt. Is mus such im thermische Nechriskung from.

Der pengt Untershint winden inter den und reibnigs low Flitigheit-(falls pe nicht sele grot ist) besteht in den Grenshedingmyn. Wie winde Hydrodynamik unter Amahme des Hafters an den hensen fille Korper an entroi beh sin ? Last sich Elestridat aktares dans de Amahme (2) Stome: Die Voyange in conservation Systemen sind im Alganismus wicht unkehrtar falls des Lys ten mehrere Stribegurittilegen keitht (Like not nes (coris). Anofit helichne Entroi Almy! Hydrodynamik fri bystime our mehrenn Flintlykeiten, ins besondere anter Deri Ari Atigny der Ribny. [20. Left-Wesser (Wind Wellen)] In some exemples of hydrody. I viscous flieds the stream lines are independent of m; is that a general low? I shill coses: A general the theory of Resonans- Henomena : Ala In which was are produced similar motions by motion of one of similar bookins? If we form a closed circuit consisting of Herenon Pb - Fe the Pb is being dissolved in Hy but not the Fe; will there be produced a current? Have flames magnetic effects?

he there fluorescent gases ! Vapours ! whelliqueds not made fluores and when curred is parmy through the Electric Onillations produced by conillations of charged orhers. Können Spectral limin at verm doppell und drefach, will aus der Fundamentel gleschung ukleid werden: I the yor ean2 1 Dis winde mer die Annohme der ensfacher Aboytions stripe erforden tur Frege of Imperator Stugeny annexts un Sectiollaries 2n vegen: Platinum who who that durch Strom oder Sollies and Veryfull must been durch gelett. Surches deinend dimme Netall platele who that durch strong, Unissions spectrum! & Absorptions spectrum! Ocequerl'sche Utenium-Streller kommen ihrer Urgsmy haber muz in einer Fluores cons weed durch groundishe Warmer tooky

Herm des so is muss: 1). Das Warms peterm in gedner Thick viel shrach in als des eins schrasen Karpen 2). Der Abendling des les und der untregent logen numste die Fluorinens durch Abilho They der Warmer tielly verstwirde. with outform als heroughacht durch Reibung der Nohent venn sie set Kräfter Hoffen der velche nicht virbelfres outhielt sind. Was wirde darars für pon deromotorische Kraft Umkehrberkist von Wandenspeten! Unkelebashis on spectral line felialt von De he & Temperatur & of comtized: $= \varepsilon_{\theta} \left[1 - e^{-\zeta_{\theta} \times 1} \right]$ $\eta \int e^{-\alpha x} dx = \frac{\pi}{\alpha} \left[1 - e^{-\alpha x} \right]$ vo E = Emission eines schwarzen Karpers Sie Asobid von der dahinter ensstrehlen der Neuge Eg!
eines Abrare Körges von hit Temperatur l'eine Grantlis 2 2
und loss Eg! (1- 5 - 40") durch ; die Fille von somis relatis

dunkler ersteiner whold Epi > Ep d. h. sobalt die Temperatur des continuirlich atedler der nickwartigen korpus hisher it. (Kleine Correction my, Channes) Nem also thatsadlish in imen future antiero verselie deur Umkehrberkeit orkommen & so missen entreder: 1). die die elber susses der der Troliente vers hieder ungeratur haber 2). die ganze Potrachtrufsvise unandvendbar wir, in dem des eine throws cans working bildet. Versuche mit seisler Rober und dahinter gehaltena dectrisch whiteting Platin black! Folys us at and straklings Minin is he wonthmished voriable Drechmyon der and eine Abshraching Atthe Tinflus der Sestet der Eleitraden auf die Entlading in Histor John. Wie virken Spitter- Westerden? - Was ist des Einfluss der Prischel ; Glomm Whadnyn? Glenn & Mischel; Spectrum?, in allen Sosen en Stant? Has kommt out Rechnung der Ozonisierung der Luft?

Isonistruy: - Thosphorescens Section, with it Oronistruy whlorbar als M (mur unyskeld) von Electrolyse? Wird dales Electron getnuden? Energie verbrandt? Alexanivirkung? Trisles von Rout per Stackler and Provisioning in Fremer's Sparch Ist electro chemisches Agnisalent janz un allang von Temperatur? Dengfunger im electro Action hu oder magnetisker Falde relete skim barer dieletrischer oder mig. Nachriskung enges Ari den virden, minsen in folge der elester den Nachvirking der mechanischer Vräfte entstehen! , Tagnetische Auflängung frei im Ramme Dise Form ist stabil, seem N, = N2 + N2' mid S=N. summeroute Street Street in Sampfelectrolyse this N₂ N₂ Dei generer Asfatring and als torriors freie Inspension. additte.

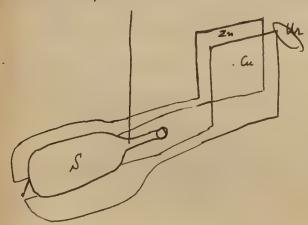
Dample to lyse his Strong du hor infole Route Ptale Segen Einstornigkeit von Hg Deruft spricht: deren getrum velches bui hohrer Temper. Tons kinetischer Sestherrie ist falsch. Solott verm Ostrmann- Hafars Richning rillig it, folgt ans dem Vahaltnis = 2 1.66 mm dess des Nolevil in Denny enf de drei Arm glist girlallet it! Von deromote Forces cetting on broken moving in a electron field. Landanters Waste of energy in conductors; how great is the effect? The attraction of two decter first spheres water of energy by electic deficiency of the Porceday's disc! Her Can electrolysis not be considered as Pspecial cese of electric diffusion ? See also Dullet. bre. France d. Ca. II 1. 233 on basic and a sid colows. Di Vasa de an georbali der emorpher Körpen somt fin die Theoris du Clattistet wert los, da sie ons einem in homogen Gemische von Knystallen hes tehen. Die gefundenn Elesten löte seite

hangen ab von der Elastiilat der Krystolle solbst mit der Reibnig les evisiben des Trunflå hen derselhen. Je grother letetere desto vollkomene Deflectionen sein. Hoben Kryttolle elestische Nachrischung? Nachmaching von Dystous is ets, in fost aus ammengen achten Eisenlike. Das durch dinne Stitell membranen het ohne Agehende Licht, cheurs reflectivite - elleptisch polonisert sin. Für ousheiden Fachen! ill es hime electrische Duhmny der Volertrattons Ehre: Werm Eisen grade beginnt pletent en verden, muss die (enoly teemen) gesterget varden - ohne Anderny der Temperatur - verm es in magnets Wirden die Abortions Stretfen von Eine Alors I Town in megnet. Folde verbreitert? Elsenlamellen? Messing der Abs. said belometrink.

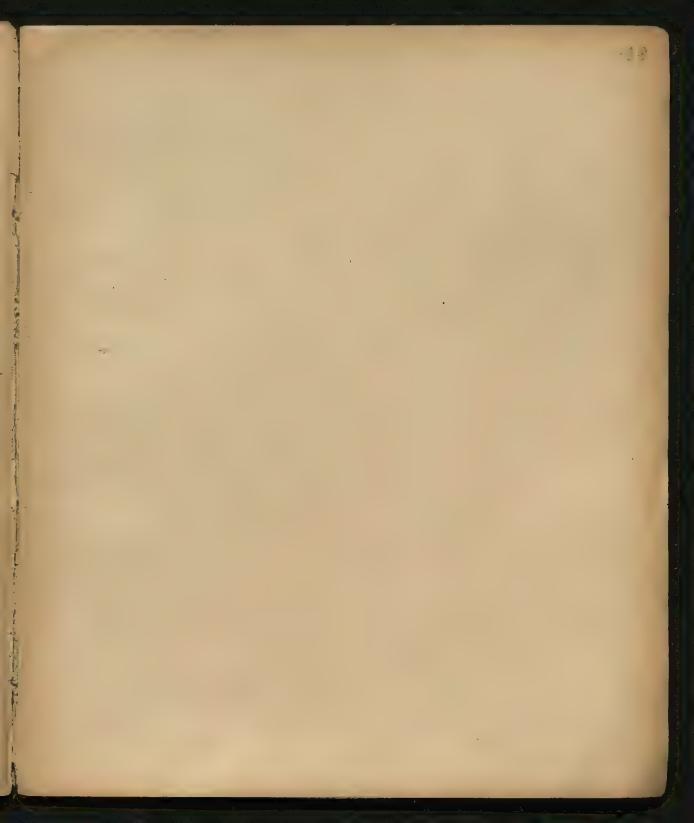
Nettro de eur Messeny des Dampfohn des des Guerker Clous his viet unter Herte's & Tersmyen. Omnge und Recipient ets. gefulle mit trockenum H I Still Tople intervenist bis en sehr vie drigen druck sideen HA und Do Spen sind und dos ifre den the tief still 4, 4 vind geholm so dan Guerkselle his & in die Habire HA mit H b gelough, dann verde die Ayspent Nun vir A auf+20°, Danf-30° gehacht 1. Jann verden By mit An feiffret mit das Juck, the hermitig lasson her de gu Mom und vieder compriment his that Ducket formagy - It tout who is; Es sein dom in A py mm? H in D pop bei po Dunk

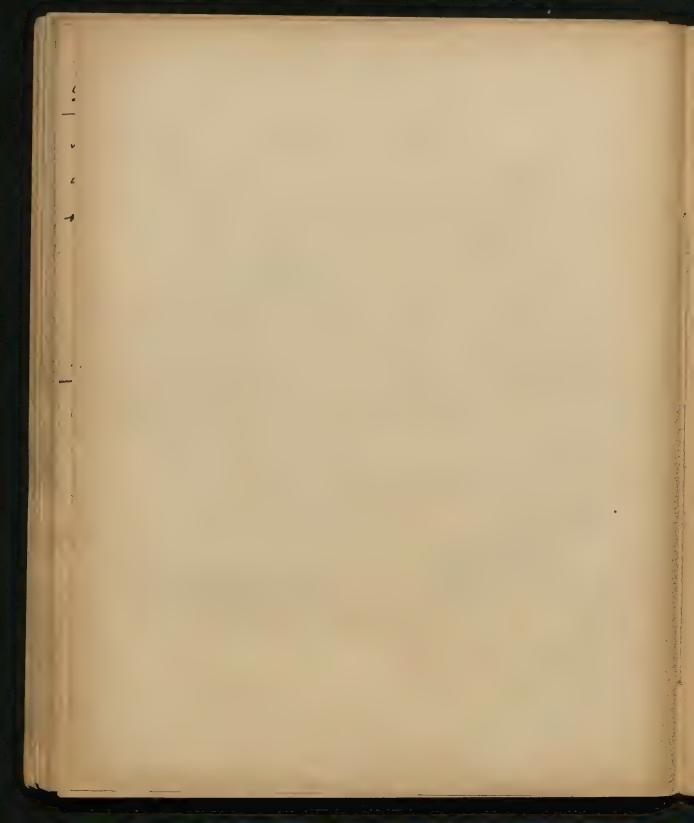
So worder Dunk sich denellen Sons als es des Jenne Edis A, Co extelles = MA. NA = hr hs die Difference dem Drucke gebt sofort onch die Differen der Donnyfdricke des to bes + 20° mm - 30°! Tobet also em bester wenn der Fruck in R beinde gleich ist peo (aber ja ni At blimer!) Sam vint notirlich O) and A gwohall

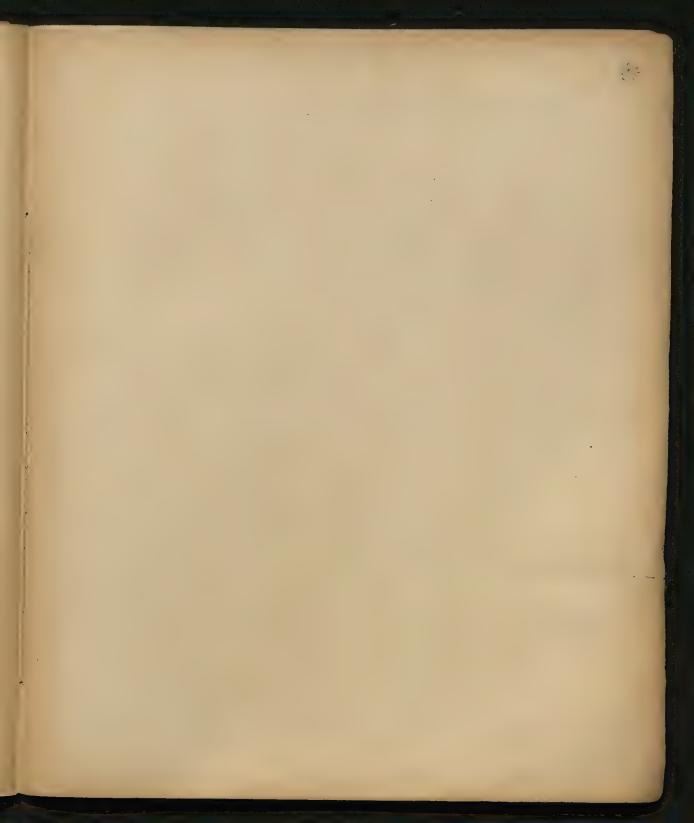
Juntomy des Argors als einstruigen Saus en Verencher über kinetriche Gastheorie, besør ders & Temperatur Coefficient der Warmeletting. Nessing der Internal of von Rontger- und exentuell on he Uranstrables and blometris hun Wye. Grootals his Oblometer unbrandbax, viil en the very absorbirend und vil Zuft bitend wind. Ver for dis bitter ans site dimmenn blesstrufen Olatindratt, oder auch langer, En ommenfelyter Olatin blechstrelfen (noch bener) in it itimer warmsten blasidre eingeskunden. Uranium-Perpetum mobile:



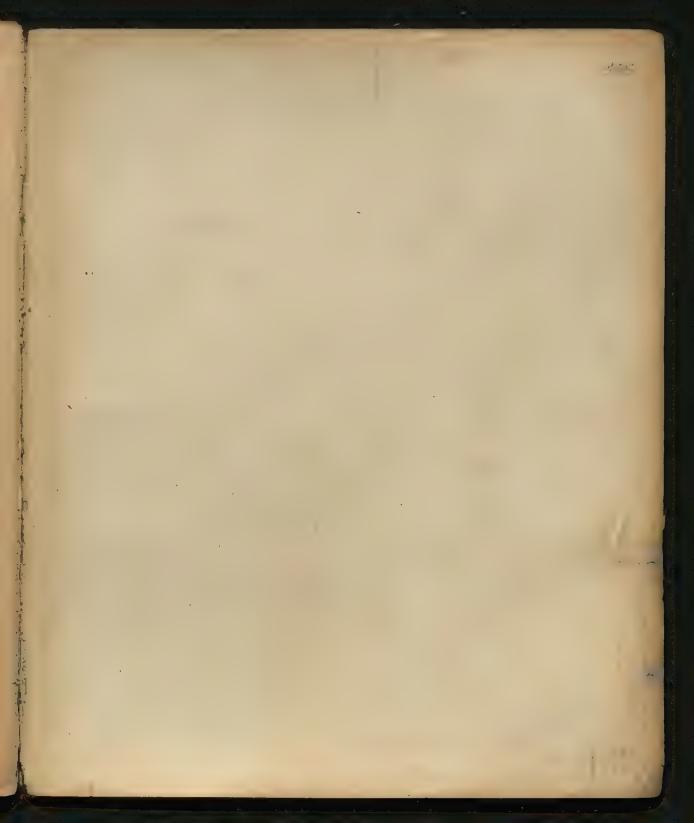
solve S vinterische der berde unteren Platter die und berwachele nach Al des elects. Glockers piels.

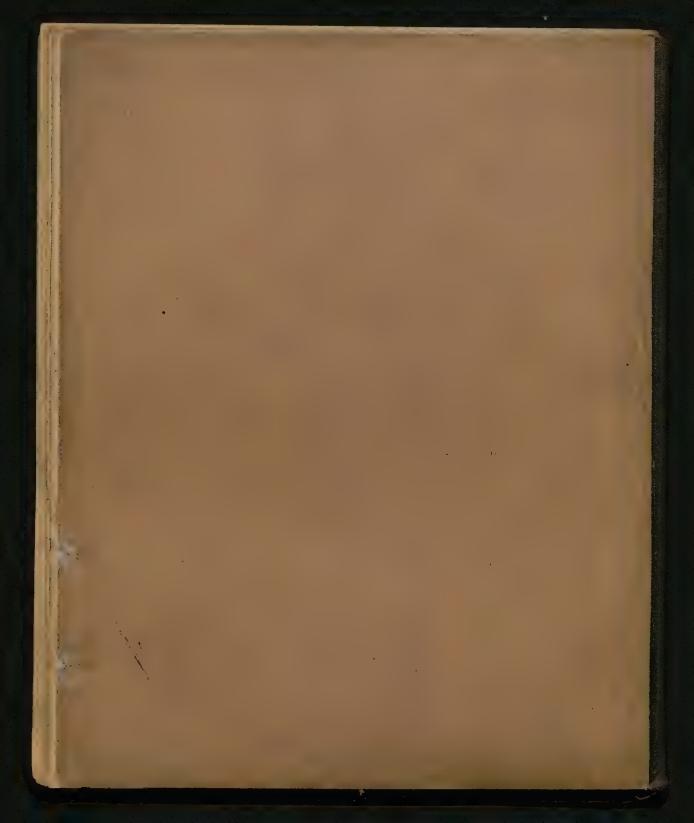






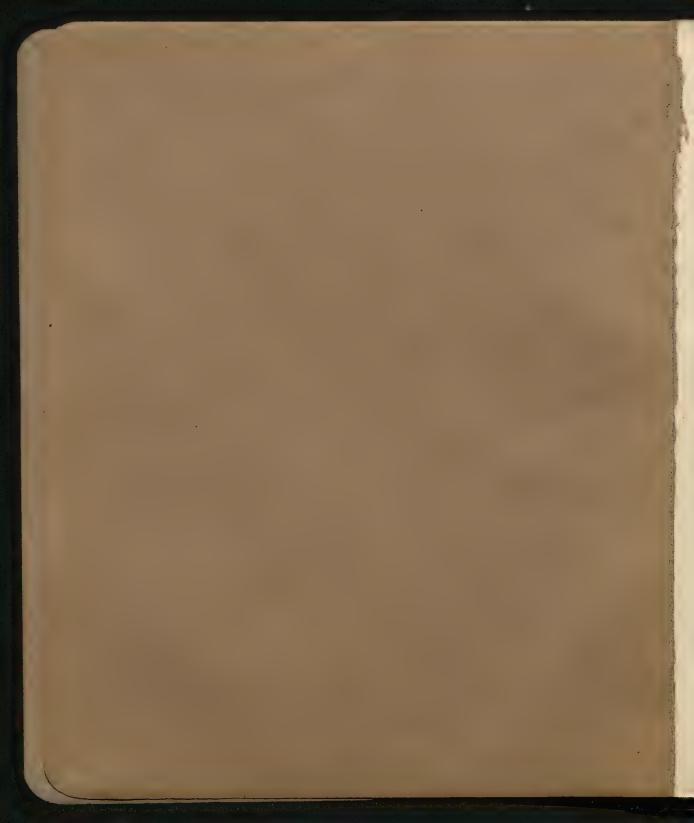
., , , , t. i y the second second second second in the second

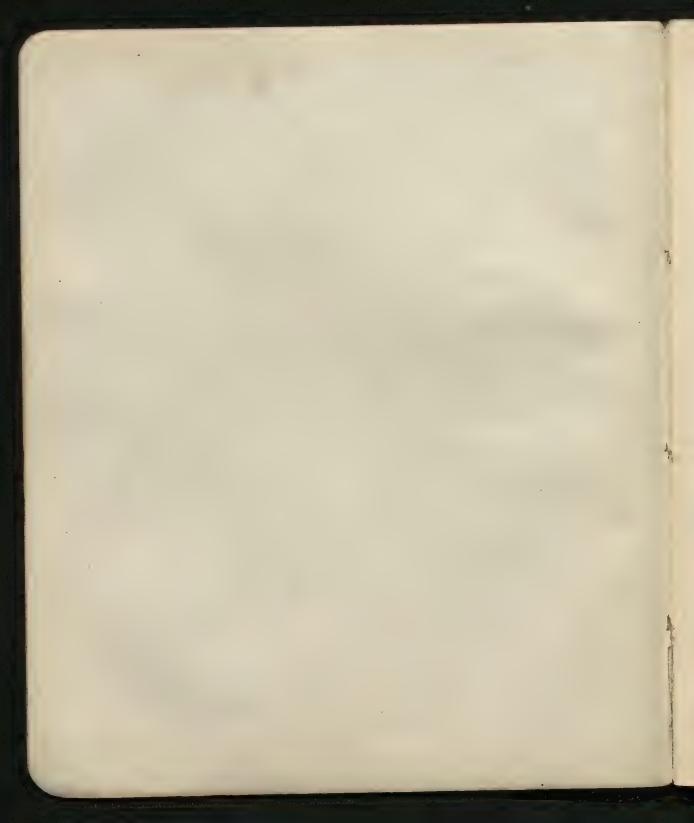












in many of the 1. and the second of the second a man to you the house of the second of the we just in ayer of to a section of the s of ~;... for a wife. Server of the form of the first Charles of the many to pro-and the second of the Contract of the second The de felt of any and the in in the same SHOTEL A SHARE THE for the state of t

Redució se in transition de la constantina della + il. ple. nui and the second of the second o our day. A - in Y.i & a man and an interpret -1 ... Errapies y A comment of the comm ii , e i . . .

· . \$ € X = 11 / 1 . The second of elating with a love for a love Money hot one, i tool ing " " The second of th $\frac{m^{2}k^{2}}{2} = k^{2}k^{2} + k^{2}k^{2}$ and the second s

e = 10 , 2, 16 e Y = 1 Rigers . . 4: Louis x ... of one today of it was in the first ? were the start or were law, in it is morning with a straining of the oraci parant, la in in the () : ight to the house Digital Constant H Paris All and the de l'attendant l'en patricie à l'aprail the sing to and the sing of miles on the N 7.-3 12. 11/3 + 21 V= 11/2/ 15 11 112 2 Marca . int

The second of th 1. The second of th in the second of we the second of The state of the s in the state of th 11: day to a service and the service The second of th in the second of the second

1 1 $m = \frac{3}{3} \frac{2^{3}}{2^{3}}$ $n = \frac{1}{3} \frac{2^{3}}{2^{3}}$ $n = \frac{1}{3} \frac{2^{3}}{2^{3}}$ $n = \frac{1}{3} \frac{2^{3}}{2^{3}}$ the state of the state of the state of the state of $2x^{2} \cdot x^{2} \cdot x \cdot y^{2} \cdot$ were to the tobe a source of the 2 i k u i. de . and the second s

planting the second of the second man and the second of the seco 4 ... hill soil = marca' . I'my ' re unest put granist or in the con-" a mount of at Int is mount of all of Here to the second by the second seco Lad by ditioned in Little ω . $\mathcal{L}_{i} = \mathcal{L}_{i}$ American the state of the state to the second se so in the face of the second o on the same see amount to the collection. 20 mg con of the contract Burn I have to

he detale port in it is a to to more former han A. T. S. C. of a series of the series of t for all whom they the start of the s If order to of the second to t then it is a charge of its and its Em Frage Contraction of the State of the Sta The contract of the second of n. "

2 the will had the the dele more could may be a decreme doubt of with of great 22 :: ' me to the my much much meter directly " : /4 · · · Ba into the to attended to a many and of the state of the state of the state of and it is a fine of the maximum of the this I serve follow the wine to white the equine to ature a put in lost till prepare with of jot agent of and is shows mending rated a profination of n I dret - Jan Break

The second of th de be les primit de les servers ... I to me in the second of Am 102 461 , in der it -> more at most on the necket my let in the . The second secon the service of he one view d'encetime, is I am not promo to be a find the second of th more to as = 0 ml. w. and the second the franch for met it is colored by a construction of It to a dead to a stay the transfer of the transfer of If xours con If only Storing the dels .: ? The state of the s 2 "

y dig the state of - 1-1-1 . - 6 3 . 4 1 ---the contract of the same contract time and are not a ser in the Topte . Mr. - 1 ... Vi sile - in with I most + first It = X = Ta he in this moderate and the -Xectoria 6 h. -) : ly . and in a way of the original than the time to the wer much prester him just him to a the first t Cats to the second of the · Frencis $3 \cdot \frac{1}{2} \cdot$

as we by I have 15 F 1 = 3 1 V = 2 ·/ ----, 111. - 1 1, 1, 1, 1, 1, 1 v f v v v T. my. The first homes him to be an in the con-4; 3. 1. The first of the second second

4 4.6 3 1.1. 115 · e , But the second of the second o I while some it is a second of the second of ke. The state of the same of The top to the top to the sound of the sound \$ ·. '_= ***** : " N ,. karry or not were the same of a go Thaten knowlt . ! is to oky con sel .. . - o de Lype of many of the many

A Comment of the comm $\frac{a}{a}$ t to the second Lington Committee to the second y see that the second of the s $\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} = \frac{1}{3} \cdot \frac{1}$ with a design in the fact would are Report : " = Hot to the state of war and the transfer of the second first to present the second of the second of

· to they is " & 1.11 the , of and down it is i, if for order. : ... k ... + ... 3 42 5 5 I Froding is I for it is don't show regards more with the is in a double of a more of the Two simple stone that he has Lock - 1 126 6 - 126 6 There is a second of the second of For the · mer pay - my sill in in any land 4 in comes of lebracedon ingo trace Sond you ". Got till air growthe learnsthing in a store set when the

en de la companya de for more of the second of some of my or too 2 The second of the first of the second of t Yes pull by fortie in jet in an ye i' a firm of a part lile to der lite; 2x = . . . + . . / /. . . = × 63 But any for your to the man to a mind to me 1913. = prof ations can be be the same excession in a fit of the street was doubt and too ! $\int A$, very : $\frac{e^2}{E^3} = n^2$ (obbroston) marily languages of the

The man and the second my war war and a second to the state of complete to the time of the state of the state of in in it was the form in the to the contract of tour compres " a. in the same of the same of - 1 + 1 + 1 = 1x + 12x =0 supp. mall value 1 1 + mp2 + n2 = 0 sup 7 = 1 = 1 = 1 = 1 = 1 = 1 + 13 + 27 - 2 · · 9= (" " = e" 9= 4 eini 1 ... was in the second of the second of the

. the second of F. . T - 1. Wm : m -1 a comment of a general series of them one in the second second Int having the un then per ramber of president in the second is real of a many of the same to the to make the first of the first the first of construction of the same of the same of the same

of the sing of the 20 1 1 2 3 2 2 1 1 1 1 2 3 · 1. . . . ·/ 37 mg. in 12. and the state of t + 21 din election as " -13 Li. n Remoder 1. in the second of the first My - - who of my in the her: ON - 11-11 - 1/11 - 1/11 -N Pen)

the second of the second of the second of the second 21 mm . www. 1 Some the second of the second I'm if you and a second and a second and a Tip. 1/ = mg2)- m; : (-mwg)2 I was a first of the second of number of per a " 1" or " " deman de : to plant and the second of the second h only it is in the second of a smaller many the second of the second en contract the state of the second With and the second of the sec of the state of th

and the fact of the same · '= ~ 3 more contractions $\int m \frac{d^2x}{dt^2} + \frac{e^2x}{a^3} = - He \frac{d^2x}{dt^2}$ ist. 1 1 5 (A. ser. 2 of mail + 2 2 = He di m dy + ey =0 y 26 2") a? 12 + + · a(23-mx)=-Heipb]x 1= 本言 一 ・ 一 8(= -mp) = Heip & S Company of the second If x = a wopt then g = a singt anticlockrise motion } unalong planted in you do. (If him of right - der. of face) for the in line of right; mointhe, particles do not reducte dong line of motion. If on look & dor. of force then the plet, plane polon. Atom come they of noises of concentric rings: I). Not might to my. force p = mul. to be placed inside, for stability n: mules of way. in my i I K = 2 2 (sin 7 + in 3n) + S= 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 1 = 1 + 60 4kn (sin 2n + 1 32n

For k small in worm, with n: # sin kn = kn frequency peop. n (Frequency of higher harmonics proop to not, so do not some into peterm it same time.) If never, highest barmonic when k= 2 con to line further to vond blue end. Tenucly: k= m-s $mg^2 = \frac{\ell^2}{2c^3} \frac{(m^2)^2 \pi}{\sin^3 \frac{\lambda}{n}}$ for $\frac{3\pi}{n}$ small: $g = cos \frac{3\pi}{n} \frac{3^2}{2a^3m} \frac{1}{sin^3n}$ $= \left(-\frac{3^{\frac{1}{n}}}{2n^{2}} \right) \left(\frac{e^{2}}{2e^{2}n \sin^{2} \frac{n}{n}} \right)$ Otting s=0,1,2,3 ... succession lines It has been shown that frequency of sp. lines \$\$ \$\$: 9 = No ± an2 where m is an integer Deference efection 2 securior has frequences in moss with s nd Ps+1 - Ps = B(2s+1)

The flux bend sharply defined towards the , shading off towards red Each my would fire a bend. " Frequency not oftend by non. field; would not show Eur. Eff. Radid whatons:

\[\frac{3}{4} \frac{e^2 \sqrt{1}}{3} + \frac{3 \phi e^2}{3} - (\bar{L}_6 - \bar{L}_K) - mg^2 = 0 \] p (the neg. day inside) is chosen so as to get red values of 9 for highest harmonic both is the one which makes it count the p is the smallest which will make serior it

of highest harmon's red. (when $k = \frac{n}{2}$) Ik = to with terms) Ly = - 2 1 1/2 2 Settletting: m pr = 3 f e + e 2 2 m mk 1 sin 2 m S , we fit write of lines will same laws as before, but now intervals larger towards ud end. When subject to external full, we would expect change the not for all lines, but for lines given by the same harmons in they. I was. F .. . in. months & 2. Low of eng in 201 smobil for to the at In it - . n. as a 10 nearly without to layer more bee if it is a select to be now in regular : et s. + tet - 4 nos

. h >0 /10 mi = · 1 3 1 = · 1 3 13 A! inte : 7, 6 + 2, 2 = 4,3 n = 1m2 = 1... + de partire all' la man la la l'il g. A. the 27 for The is exactly the second of the line of No that we will be a set of the stand of the Another 10: 10: ing a first sale to just a part of many min's and in the special of the interruption existence John or it he , it will if I : A axis . It is a constant it the tomber in the print of th - has the word of term A! It is the same of this wrong to reducting to . To. Ani imila expens a tra, bit ", !. Iv - me in a men to the may of recive is only to hardient and

from in in it many the second of the second of in a second of the wife and the contract of the contra n. 1135 (. Site of Age. mi in . ? ! Fix. It is in to 300 mg the late to have me to the way to be in the second of comment earlies to the above in le 11 and hair in , il. Howfor here will over it last will be read them. This is a series of passes and the second English to the interest of the transfer of To key 30 this is the engine Thus a prough the first the start white is not a formation italy a promper

i was i de orgin Jan and the state of If your heavy a read of 7000000 forward. as in a consent lever on in I the state of the s in made of the half of them the first of and the standard of the standa District to the second of the The the every about to their it is in a with the second of the secon and the set product of the second in the second of the second of the second

we are the second of the secon 1 = 1 - E != : ... / time Line . I all I ger is a ser in a ser in it is in the interest that it ; This is it is the one age toot There was a second of the seco I made went a off or bear the har decourse of · The ingerior all the and a second

. the state of the s mall freet current dereits ne at their ans é To hot the second of the secon in the second of for a consider the same of the same of the same . I of every - me use from sole-I it's do do to the game guir it you to I , thus of I beaks up, I ile love some of the some of energy. The the west I days. I mt here when I we heating down thus we only ple nest how y pour , that dis grieng to lime to hup of went denotes (argon)

there ight is may be just if it alone in the If it went to very sort time, i was do were and the a conjugar with the time were in . In this case of ish and be if a surliggent - at then the stay of week, as a . Then rate ince of the stay on the military on the stay of th . Thinks to stone it to a second of my a I me of prot at a proportion of a face in the second If on a week of a " word by by by " in a way to on by one so in just, . were ! Differ to form of change to cost to deciment to oppose the comment coy, & most of middles came pater, start all yet in join in on one: eliterales since an auxiether consit out got a release, yeller. The homing fex be all ray, the temp typic aid record we have Mit of her, seems to be to a core the engly of these expanses. when a compared to the same ing. may in the was fit as it is juice. I si go the de such i med toler way, t way it some - Ay iver, also tions gave pot a lange of the sent the sent Shout not and the with at with it.

. said to proceed the said lines are boys the other ing to me " by puting and it is to be sure. - Dot O go of a cold the times is shills of the mandaria. he opp i il more a de lite Dany the it is a of non tions and berning I at not day in the win in The desploat seen is al. replacing from the trave before the existence because in mineral The same of the second of the same of the be unitary? this the system as I was now " . " I - ; will be just the reserve. Loyd, and doch they is I'm here't form's from the form's print, it reviews not deget in, one to time fort x me into it men digt : its ions. in product in it were the in much are complex to an atomore Aging. of tour, thus there meters probably and not and contin The court for the court of the portions beckering specime. Two ways a more of of ways made it & there.

/ t + the met to me the met to be a state of the same of the Lich on Lick; there is a first, If cit reduced so as to make &, they walk a very tille in wick, now blind light not be but it fire our! Much a six to prod. Lis of on bond by hill than his it. if. Na + K book and i just set 2 th " the in oxyle, in I have my crit of ill. Much easin ; lts . the matter Her ite. So for internel, was forus themisal instration. Mobiende may be regard as mende of engine heli lighting is suched freeze. Consider the it. The wenter of youth of mutually allow, was. Out wenter Moder las the southern to exercise & to them, not a metget known inglotter. Thornot: System of a b bodies with only lower is count in whath uput. Int july ... intermedia from from 3 Posies: in or " that Institute for strong of male and my string. F. ex. tall en 1: if

equilibria. Me, in the control common actation, i've and the Dut this is mortable.

Add time on the receiver and be quite exceptional.

I go with you 3 eg. it bodies. Con the form was not great the ter. be there care: I'm will down rings . I have be at thello's in the one orbit. To , by I tain the new of on The plant and be informating fruits 14 of Milk: gas die P > 5'43 in 3 5 cman of setill. mos of se at mumber strotal. flout can be sate in it it set lite. mp = 100 n < 7 Il some of jours regulaire instit officering much more stranger to in them. Thus equit be impossible if still repelled a another but attending with if "hus this last die . o' near tofic much toble !. condition to state. I nece must increase, in it is in between the to the three by our atom. in dir of one also go up with dim on in bir of first str. The menter of point i the rep. but I find is mutable porters for my, just but atable for + electe Thus 3 douctions in which it it he equatity for t particles from the Int on atom their could hold 3 other + charges in stable equilibrate

For letren met or oget in regul de mall det let de Darraid : 231 m. Lugar 1 oti. form we have goods, trong on a co. If I have the see of the law be ditimmenta where the same there one make arrives from one reversal in the last of the thereties thus we to the Dos worther an wive is this drutter. There is a prison of the rose when the wine it is that regions of " It egent.

Sight to laws and to be a the former to be a the first of the construction If my to face or new a constraint ing, the congression was I have my their a late. This love it and affect the red I writer but tongeted met on themes is to rate. "I " prope di " y in the second m dx = ux+ L; d. md: .. I - fie da - x as , - 1 = ~ / // 7. 1. july = H2e"1" plain if y red not -ym;2 ! = - + cipx 1 my 2 mg = 277 24 1= = 4eA = 6 = = = if 20 in > in constant the it. noted more and an in the first of the int ranker - do la mbig ton to me in a to imported about is a newful others thus stable equals

her on her on in of " other gree Protinge ton of it I her App. The day notice of in . He and by sile of the state of the state of the Thus of the topper on the contrary of the said of the said of the true. The by oftening them to be all with the second a all world. I the land and the to and have not be sunt very injury Retolor of plant of peters to a is with explicit file terms dayah. how only in y soil it fling Carbon oton The strong the same is a second of the the fort for the contraction But'I more me, it, then it has to see the distribution organiste, and land sometral alex altitudes Sours- Allet

the divina It all a grade grade a second of the second of the second to a dear on the second of the thing the second them ng 'a. ... and neg tage in titill. 'S' in car let a stort if an it a let the form the story, 5 west 1 to the content to the content of no we dest Den her; Mr. I want we had done of miles in the factor don i' . ' 3. la it more it is charged fond I you town to get in If the add have de l'age is longe the co just the could Thus have a with the a land of tage for the abolition of the action They cannot be fill my be 40 because certail item. The comme also the light day, an in it de strong int for the ton tout count have the charge of mil account Atom may be unable from his nature to large over the contain now has of easy. There of shory may were for night to super I shally change of him it projection

N. . FIRE LATER The street with the first angulation The second of the second That was of my . is to I set with my 1 the many to great promise to the In it off in the instruction and it is not before the to be to be the soft is not be at the post there was a some some of energy some dange tike, glass. The in I. Nohr a hoor have measured the radiation termine off to in it. I somet, not. tought on the trop a me " peter of the son for the to the contract of the contrac The state of the second to me to not his grand when Therefore was in my in the then repeter no me or with the if me til a com may had this 4 my one of it and not

only to a sold. to the state of

This de love set by the lott of the small in ... " - ,. Ster. H. la la caposa, man a el congre

the Man I of A la am a constant of T

The today in the deline grows:

Near white = 1 /2 T There may hope a mall may " it layer T = very port

Ne = annoted New = emilie = 1

if we come to these copy not now were of el. het show if him.

The main contents of 200 $k = \frac{1}{3} \times \frac{3}{3} \times \frac{3}{$

obs . Allin

The 3 2 2 minutes of the second of the dark of the second of the second

from the " to see " the see

y trace & tone

and anser is a six lies

2 - 10 f is not be after desire on our time a mander of sign promit of a marker of the of the says to the said := = xx 2 = 20) ~ 2 varying position is conse of expansion the. mv2 pop 1. ting il got deposit on to plan & ~ Timp are the to the mod process, and I go and by . Like the ting is may be that I man more in the I year. constituted a maximum, It resistance of oxin. ? the may be de reason. If who prent is comparable & my = Xxx Here went could not stey I was hard v= 1. Xex a in love got is metals although to fit in , a my orders

Noge with In the inte: 1811 correction of polit dejend only on it not on it Went of the sty will prove the solve the my in all mutals which is not the last. Horing van the for of met! It to have & I forter any ratively than is but a for in an is pretet a feet, and but these degait many of holes, suche to many for Influence of free corp. on of the I proportion of mit to in relieve to be a min ber constructed ... " and he of atende Conque ales pressure, d'une d'in somme matels, je un in ce to alle a contact elections

i. _____. $= r_{+} \qquad = r_{+} \qquad \qquad r_$ 11---+ + + + = in the second of Add the same of the -112-7-7-7-7-11-12 de to the set of the second to the second to in in the 1,500

- Alice Commence of the Alice Commence of the Zung by and TIpe I and the state of t Time to be of the second = ' 4 - . . . Notice for it is New to = /; . ~... e 72, 1. 5 (An) a 1 a 2 12, 2 KI . I was the same of the sam

and the second of the second of the second of in interest of the second of t La company to the the second of th , -5" '- X - --Wh has 56 a How. in the state of th 1. TO and the second of the second o and the second of the second o

√. . 1 11 2 in the second of 0.12 11.12 from the ta, a la jar . , e- () 1. 19 1 1.02 . 0425 de jost, in 4, 2,2 1 1 2 03/1. and the second second second and the second of the second o L'and Sapran i set in a The state of the s where the state

and the property of the AL TO The state of the second of As the second second -/2 - 1 - Linglist - -- wally by to · , , -1 - - K , , . the second · Alban miler ---- an T 746 12 . . 2 m your

46 ____ (b______) (10-pt-0- $\downarrow_{2} \qquad j_{2} \qquad G j_{2} \qquad j_{3} \qquad \dots$ the second second second second second 3.1. 12 . . . y m . . . £ ... •, - 1 1/2 - 1/2 - 2 * . is some and a small to the

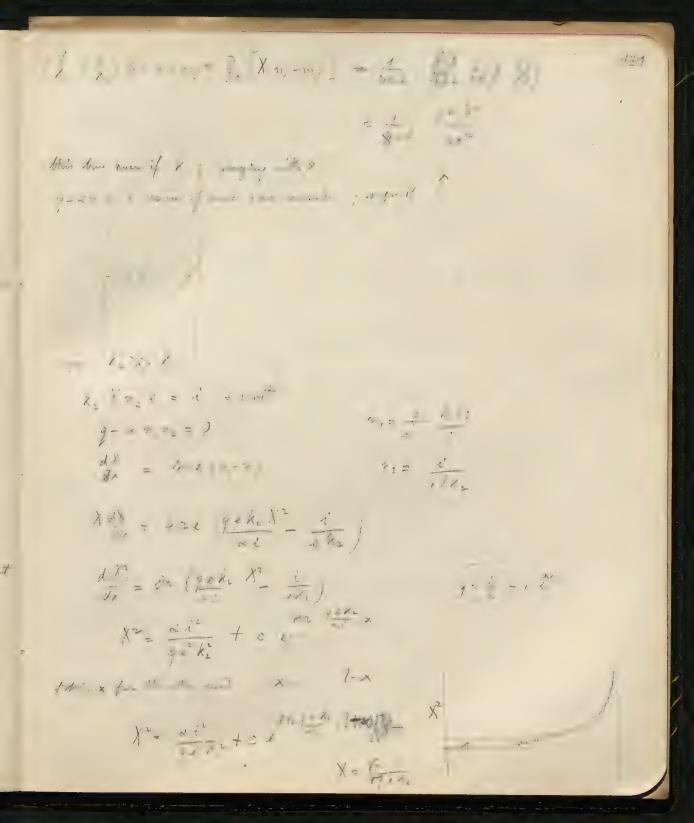
the same to the state of the same to the s 122 me with a second of the second in jarin sing a second and a second and a second as a second a 422-T+ 1 =) STATE OF THE A or of a comment The same of the sa ., . . die Service ! a= 1 10-2 if the my is to reach in the execution

e ' ' at --/0--the second of the second of th Hoy in a comment of the the second of th

in the state of th al and a second of the " Aly " Lu . " Lu . " " Augh & am st. A comment

), = 10 1 to 1 who were the started the start of the start ·/·· = 3, c 1 ·· - to your plant of the Manager of the i, the co Comment of the second Caxardan + on the I pet wire i - 1. mi you + The both the state of the state ---the second of the second of th the second of th

the town to the second of the The same and the same of the same The read to the site of the si The state of the s The contract of the second con, " and there , have my a construction of a my and you will and the second of the second 1) = 12 = (r, - rz. 1 12 21 = 0 i = 1, m, + K, m, 1. with the first of the second My Arik, morn, = k, /n - jx k, xn, dx ix k, Ya, dx = made d a 11. and it is not plat And the second of the second o then my ind wantly is my to a notice 9 - ~ n, n = - = (k, x =) 8-100 = - - 1, in 1 9-00, 1 = 4 /2



19-27/2) \$ -7/1= -e -y = 1 miles in the second of t King Land Variable of the second = the wife the second , to me in relation in the state of the state of whole de from the the Ly in the if in a little of it and the state of the state of the state of

ion s'a 2 st et 2 as 12 po is a min or property of $\frac{I^{*}}{I^{*}}$, I^{*} in the time of some set of the i na isalika na isa - . ----. /_ · = 1 i= 7 - tolli = "- ; " : : 1 = 1 1. X. Mr i · · · , y en i/ 1,-0: ***** and the transfer of the state o 1 - 177 ch - 9x 12 V= = xxi & int, ...

A set to the set of th 135 are my constant and and per of amounts of the M. for the same of th has placed in the second of th Any tipue a min to the second of the second the transfer of the first for the first of the property of the The stopped from the state of t And have for the said the state of the s I am it is an in the part that a set of mill many with the part of the at in the section of a comment in the thing the time of the time Missyl I 1 -1 -11 to while the state of the most of the well of a lop . I get in any ith ways it it V 1 -- " - 1 1 1 75 man in the office of the second valority of A . Tan all. . . . ! no es una se co

1 is of most U-R = 1 - M M M 1 a way and a second Int. It. is to - a - 10 . m, + min's Himport way. m' = 1 = 1 0 " = m, 1 1 4 2004 = - 4 3018 +4 3 4 5 3 1 = mility 1- 4 avil a mily T'=T { 1- 4 m 1 m, mi A part - Bristing Marie mile from motor famy sed in 分:一乘

...'= | - (- · · · / ≥ / 2 14 with the state of $\frac{\partial x}{\partial x} = \frac{1}{2} \ln x^2 - \frac{1}{12} \ln x^2 - \frac{1}{12} \ln x^2 + \frac{1}{12}$ 12th de = 12th de en de x= m, 1/2 7 7 1 met

1. 2 m / 1 if we have a principle of the second day, or we do The same of the same All a more 1. m. Ferri 1 - pople 1 - 1 - 1 - 1 - 1 - 1 , , - A . ality to the state of the d= m fre me my 1 = 18 ma = 6 ... n u ? the ... 1.7. const to the Enila Lx IV its was the Du = ine u India in 11 / blis

10, 10 1 (- 2-Mr. Pri -- un tripatanin U in the state of th my, and at a south at at part to the and a south to the from - 1 today 1 = 1 17: 45 N=5 9 .- = - 1 . Way 11 = -11 m. "). 11/4. ion may be the second of the second of 1 = cm - C 9 176 7 1.11 As hope low or paid it is.

of your form to the same Confirm the and the second kear here to the the true to the second . The second of 17. 10 may the time of the sa . Till and the grait is and !! I have with the same the same of the same action of the second of the se 10 - 10 Late to the love had so (d.) at the same of the same of the same of 1 . . .

=6 m, m, V an - for #= si-" 1. 1 . . . X ~= / m . . V anier 1 c $\Delta c = -2n \cdot \frac{1}{n} \cdot u$ ℓ_j . , - - - 5 - - 5 to, thenter I a retire from the set of the second of the second 14. 2 Nitt act-u Cart H 4 . . . miles continue 1.00 Market S. W. 4 = 0 × fix:) pushed in the of the re in the war is the same up it the transfer of the second not in it is not now it is ?, un

tothe state of the 137 The second secon me i, ris ' of the second of the second i in the Le : - 2 n ou Marine de la commanda 1- True Many told - -27. 10 Any you to my me 2 A P Ph. 1531 M.C. meres a de l'en que s' 1. 1. 1. 1. The state of the s is the process of the second

÷ 1. 2. 11, 12 d, "= . = 246: and the second of the second o , we the second of with me to the second of the s 4 th hinter of the puth in it is a second of the secon and a company of the contract reconstruction of the second o * 5 hot will not a series of the s to the second of 1. 10 % AT 6 have been a suit me it. In a me which is a second

July 199 in the de el estado estado en el estad the second of th the second of th I store a dusting of we is a M 7+ L, 2x= 2 ment of which なぎ=ラネージノンシスタ = first. - u J Lx to it is the ラス= 主 Ka アーハーノ N=be -6. = = x, (a+1) = 0 6 m-- Km 7= ~ 1 ...

, J. 1, J: 1: 5. - 1). A, A . " - +; " - 7 A -1: - 7, women of some him to the you though I get 2nd J= A 212 1-11 - 12 - 12 - 1 *i* ... A = 3 R = -1-12-12. 11-1 (1- k) - . d o 12 Km Rety Lety will be the second Let . of the he note as her her by energy is a "was the constant of the consta !/c. ! ! -

with the state of the spine of the second to the second to The second of th Manager 1, 10 - 1; with at 1 : 1 = 1, 3 = 1 = 1 = 1. the angular . · = 4 in the same of the same $\mathcal{Z}_{i} = \frac{1}{2} \frac{k!}{n!} \frac{i}{n!}$ and the second A. marin month of my find the fact that I find you the

The transfer was the put. · K > 1 is more than the in the in the notice that and have the second > the in the second of the second en V = 1 mm) to the To Ayr. To a part of 171 - ·s 12 64

ph in it 11110 the way and and the ----<u>;</u> the cash of all , is a week group through , , , , , , (3 / · · · · · · · · · · · · ~ = k+1 Partie Committee Contraction I am any the or were to the second to and the things are of my ing in a series of the series and a series plat the part of the series of the y · s · · · · and the second for a primary of the police of the second

the state of the s The way were the 1 : C. - in Marin - $\mathcal{R}(\mathcal{R},\mathcal{P})$ and the second of the second o the second of th in the core of select should be point as for he was the second 7-9 V. the single of the sample of the same

Victoria de la companya della companya della companya de la companya de la companya della compan 11111 1 . _-- - -to my k . t. . a and prove ions for the same 2. in . w . by a min har you ... no we to join it in the training to on nu A we of the protection of the second in u= without of the first with the 10 1. n = mm ber of or .\ \. - . · · · · Sugar a probable of the simulation of the 2 100 d= h. Key ?~ mould pro the auticommendence . will and it is

ailed white detay * in a b while ... it is dry a dry CEAN THE ME IN THE COMME the many the say in ... = / 1/2 = X ... = 4 ... amen and for and to 1 = f. 1 2 1 1 1 When were the the dense were the police was the second of the second of . . . - C ∠ a= # '-! to so . Co is a wint wing ! - . The in it is a comment would be a comment with some developer to as a " plant on and " great in the Steleton avo. To ja a ser a ser than of the ser is the the the same to be the distance of the fort in the many to be from a grow the contract of th in. to the total section of the party

111 " Maria Personal of " " " The to deep to 1 in a bour Mils. 101 mu = 4.4 c hu zaelina 1. 5 tois and Mon = a ... Y = 4 7 + 17, dender to of I down to be made in to Jan miller if & J, e Rx. 1014) no not of my. Carlos Articles in a particular the water or so mile or or the int = nut live 11 x ch = 6 Munch on & Xilita

12, 14 18 2 11 11 mile + ... - of (2 6xe-1) To = potentie unit wis WZ ------the second of the second ÷ ; <u>ē</u> la las minare en : Ta, et medically = Ja : a 1= 3 - 7. - 3411.人 . A CE u · sufice :. & = k. (X) 24 me. _ 24 = K.V. : V - Fe. & = Fr. (Pt) / \ _ _ _ _ Carla 4. = 1. 1 - 1. 1 - 2. 1 i. X 1 13 , " d₁; -, .

become the first for the second -11/5 and the state of the state of - 1/1000 (19) as we are A. . in his you have a service in the service of the ser and the second of the second o in the second of any prover have - The state of the suggest of the suggest of the second + where I are a cathete to a the second of th

in the first the . . 11/3 E + ... firm . 1 The same of the same of the same the state of the s 300 -0. was for of F1 2 12 2.2 107 160 = 160 1 100 1-46 = + 1. . + 71-170

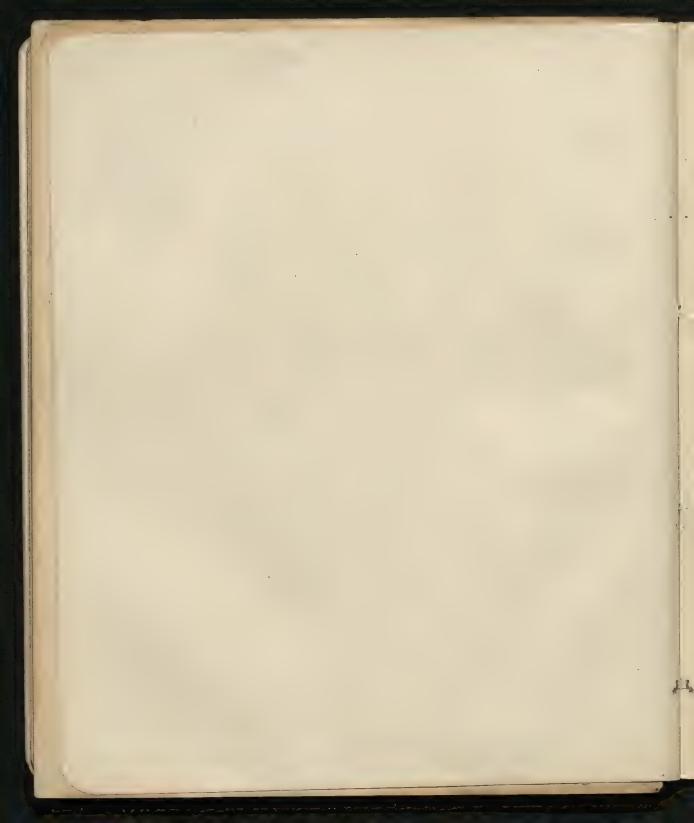
I'm pilos to pilos of very line and it is it is in put only by - confe. con sica cela, + in. + in · My sola it it is a 1342000 (1) 1, m. - m. 7 . ci-;] trew ax 1...s from the form the contraction of supp. 1 = 2) . - & haven timber. in who you have it is in it is in was so it is i ; thicken c The second of th miles and that it . which and carred by $= \frac{1}{2} \frac{i}{2}$ = ! My! + dr a 121 - 6+1 100 11=1. = 1-1 = + 1/2-1/012a-b- 1-c, * ... of the variant and and the state of sail warmen. Marie Committee Vien 1 It was the fat in the critical or linear to " any presenting + Ly. muchon of -ms; a court of trans where, J-i rumber of +1.11 i = J + mmtn of

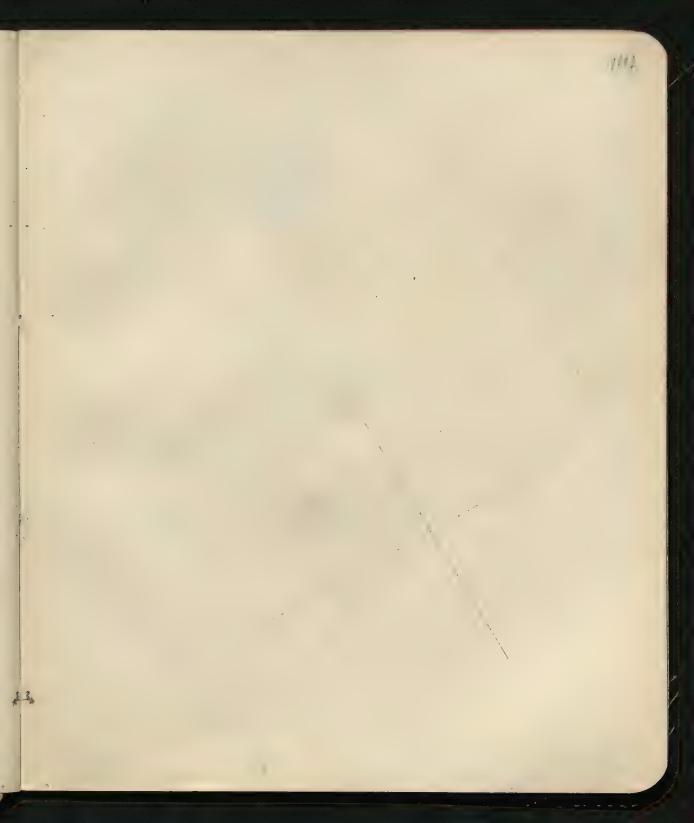
the war in the sty on the state of the i - 7 1 - 1 = my : ... 1 . 11 esper. y .. 1 District and a political of which is the man for the 1-1. 3 C ~ 3 V rable and is > date, a I and makes to be the second in major since and july a de no . 1 - i). wer to many my as white I let i-7, 1x= 7. IV2 2 by 1.1, = 1 . f Paris Car love your 1-17 - 2 V= 00 In (= 0 Vk= - 1-07-1

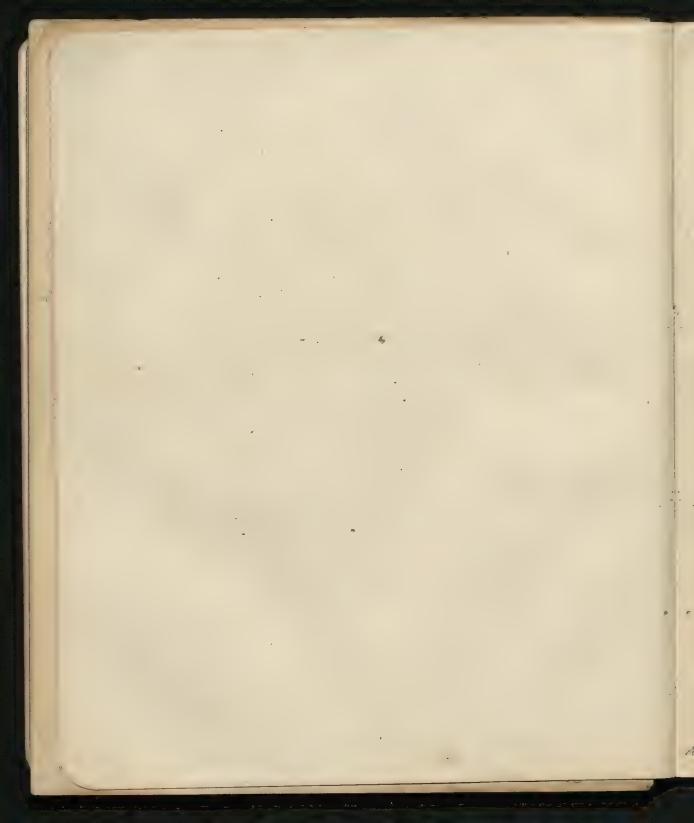
(NU rei) 1 i'comp or 16 with miliaire A delmin . . . 2 . . 337 413 , , , .317 31 2 4, 1 348 1 4 4;: 3 2 3 2 5 401 . -1. 1. 2. 4. 111111 92 508 2000 5.4 583 1 -110 234 7% 2 353 752 . 4 9. : . . , . . × 553 46. +1 + 5, 555 12 172 *i* - : . . 587 : 1.1.7 (1.2.2) 2. 1. Zero 2 / 6

JAK

		•
	35 (38	95 2125
	25 5 Ch	
	1 t : : : : : : : : : : : : : : : : :	~ · · · · · · · · · · · · · · · · · · ·
5.5	2 () () () () () () () () () (UMA
そで	75° 88° 5° 7	J + 8
42	119 58 566	1. 8 (
2/	· · · · · · · · · · · · · · · · · · ·	? 'S C. ?
	367	
	(PS	. 9-4 X
	1.55 1.58 1.57 1.610A	***************************************
or marite	9 ES 100000	2 8 5 cases
	\$ ~ ?	1 45
	8.49	5.045
,	· · · · · · · · · · · · · · · · · · ·	
	(55	
		stê si ∕
		ter
	t 25	8 6 5 ×
		of & wir
	V fi b	175 000
	i a saint	>
, £ 2 4 :	28	<i>f</i> 5 b.
	1,5 - 11	t. (E
	tes.	235
	093	876
		674
	no short 19 . ms.	· . (.
	/	. 7/1
	min.	× 3, 9, 91
	Not what to	
	1035: 1.1	your SES mis
		200







mesting , 1. 2. 4 Land nerit. 4 3 : 24 - 3 .' 853 15 5 } " . -130 - . 1 | 1 . , 2 - -, 1 111 4. 1 . . ٠, ₹ . -3114

6	
Character (Schrock)	This is the second of the seco
5	
6 118	-1 1× 5
760	. *
l . ·	4.100
38°C	<i>š 7</i> ±
/	532
413	480
	95,
1.0 1	510. 15
* 1 9	4
421 44	2000
(5' ?	
	(W
, -	
· 5 } ~	6,641
	(6)
√ · · · · · · · · · · · · · · · · · · ·	-1114 × 7.
. ′.	
· <i>J</i>	
510 47	51
	911
,	
6. 9	
1/ /	
0.10	

Little 52 X hilt 14:17 50 650 24 13 : 1 1,45 593 D7 4 : 4 ; 151 48 114 . . . 53 53 525 519 \$1. T. 55 0.00 375 331 63 * 76 453 284 940 54 1. 3 1 227 古 150 さ dork 53 -309 31 . . 59 , ' 1 40 Anez on 545 594 560 ÷ 11 ; 4 ; = x 1^t 511 5 952 72 3 45 5 27 313 240 \$./. · 60 330 46 40 17/1

645 2 4- 4 2, 111, 444 5 11 10'2 3 10° X 542 4 1/3-34 638 5 398 300 633 6. 1-565 .) . 8 619 176 5.73 8 33 7 546 14 7-43.8)!! , . 597 22 1.5 541 575 25 y ** y 550 23 521 599 X , 26 o nesten 455 5 , 13 , , , 476 . . 1 2 4. . | | .. ^ . 3 11 m , 1: T * 059 . 41 10 3 , glarlang 2 7 2% 5.4 1.5t. 34 cm , 7 6:3 3 ' .. 74 537 057 1. 4 3 4 -490 124 342 275 ℓ_j . 1 ... 1 2 200 661 1: ~ , ' 11 10 611 7. (1. , . (

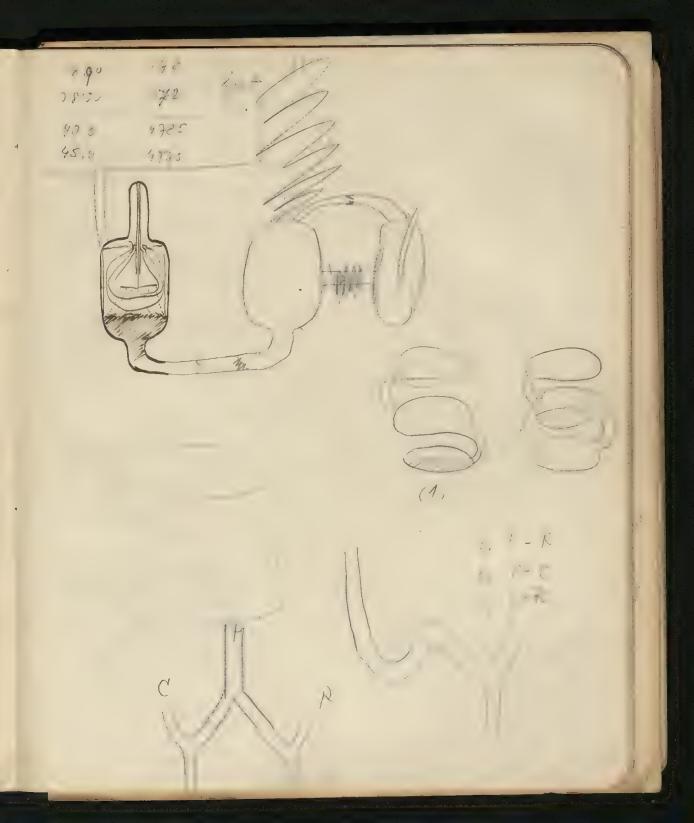
anni manti	!		
	5 18 . 5 45 . 5 76 4 .	Anir Lyhten ino	598 92 506 77 429 77
in can do a dest "4 am	362 71 362 -3 315 312	· — ×	2 9 5 2 4 5 9 2 1 5 9 1 4 5 9
ま	305 7 527 566 570	Ť	564
X.	5:	gloring X	128 467 384 150
	7 3 3 4 3 5 5 4 4 3 5 5 4 4 3 5 5		30° 8 1 35 57 358 50

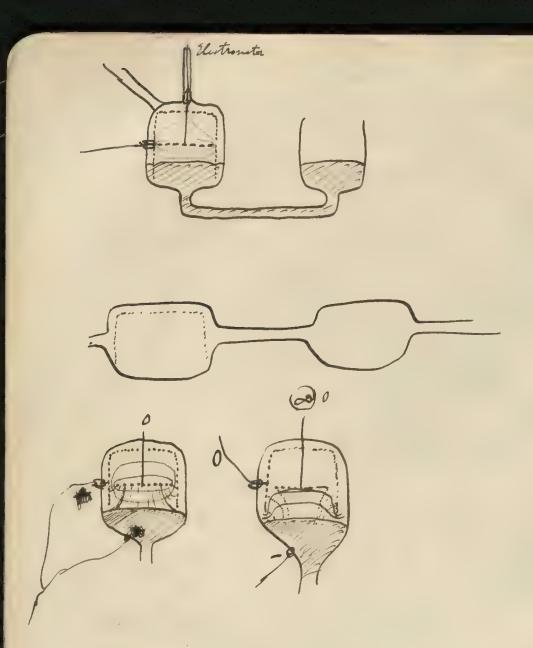
250 24. . 479 3 44 . 2 2 2.14 , 7 30 to Euro 1 = 1. ge 43% ₹11. . . 1 ** *** • 5 s. 1 1 4:5 7 H. ALLE 1 1 ... · · · · 3 - 1 7 -· . dres. 854 1 2 - 3 2 10 1. 7/ 1 1' 4 1. 1 7 Ł., 3 1 " 1

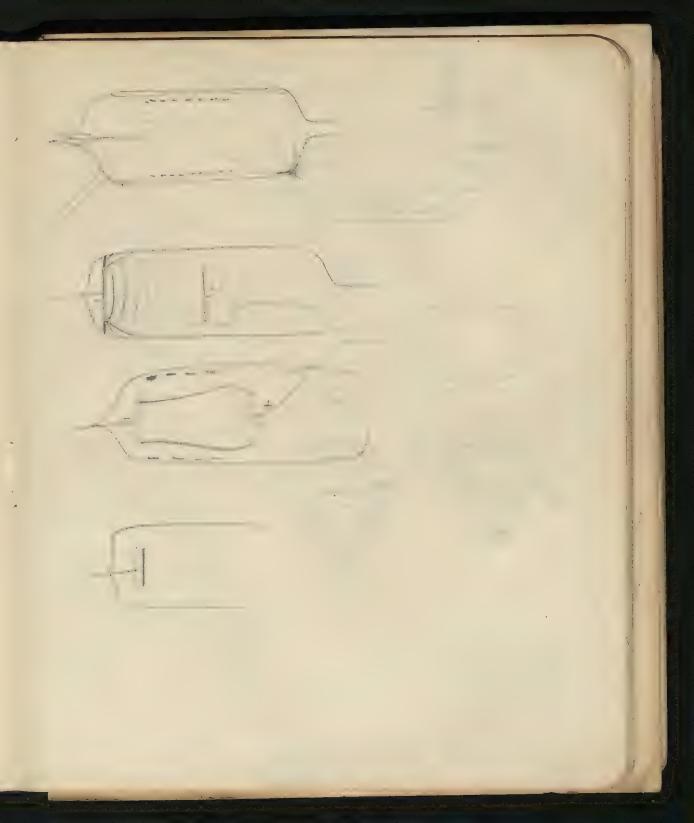
4"12 1, ... 177 1 , 7:2 151 · 2 3 \$ 9 30 320 \$ 485 1, 41: 5., 1 50 57. ζ 53 " 1. ′, . . . 3 73 2) 42' 11, ! : 1114 51 - ' 25. 4300 47 215 91! 4:1 1: -401 6.: 214 3 W 131 9 6 4 20 1 ..

Charles in an it will their 101. 1. € : · . 495%. 445 0 // 3 1947 . . . , 0 ·remit 3: --12 11.4 5-5 4021 7 /. -1 52 ÷ , 7 , 1 21 -7 . . 35 3 . . 430-11: 95 355 :-4, 7,2 43 2.5 3/12 47,0 35 1 74 428 4 - -1 53 -4 4 1 2.5-41) 1:5 3:51 4: 12, . 397 -71 id 43 3 , -1, 3 250 234 3,2 • 2 , , 11:-4 1" 11 12 1 4 --150 422 7.11 +24 21

And the second , ,: . . *.. * , ; 15 .48 ---. . -2: c. : , ' : 3 % 14.1 57 * (, m (1 74 ____ 1 6 2 - -5 B-, · , -711 考り 6 -518 (m, -/_'. . -10-20 15 2716 î .* 1.5 257 17: 501 . 12 17 2 2 513 26 22 540 + 250 c 24:5:15 565 511 e. 0 575 201 20 600 592 50 1 1 1 5 3.5 = 1. 5,0 . 250 592 20 121 ₹ €, 36

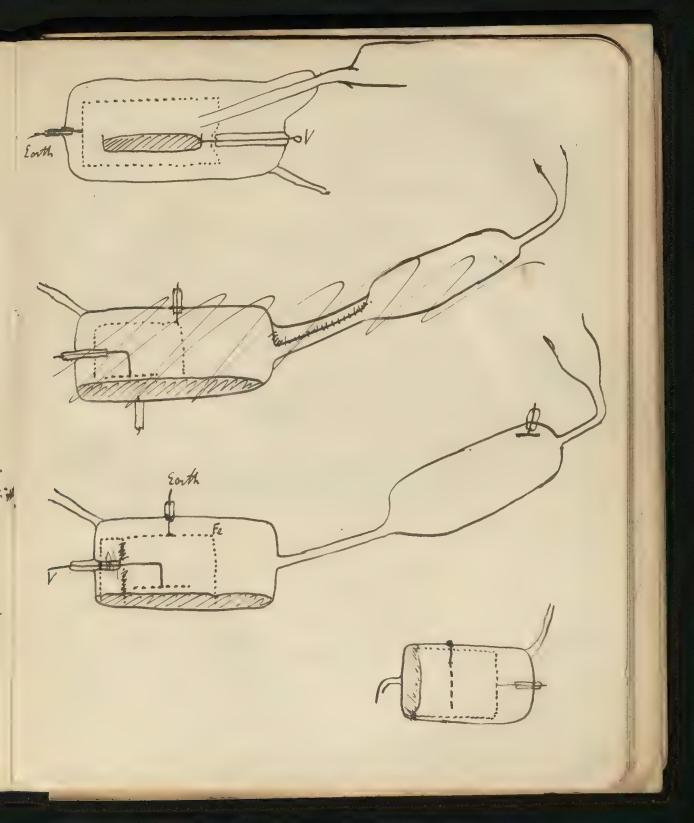








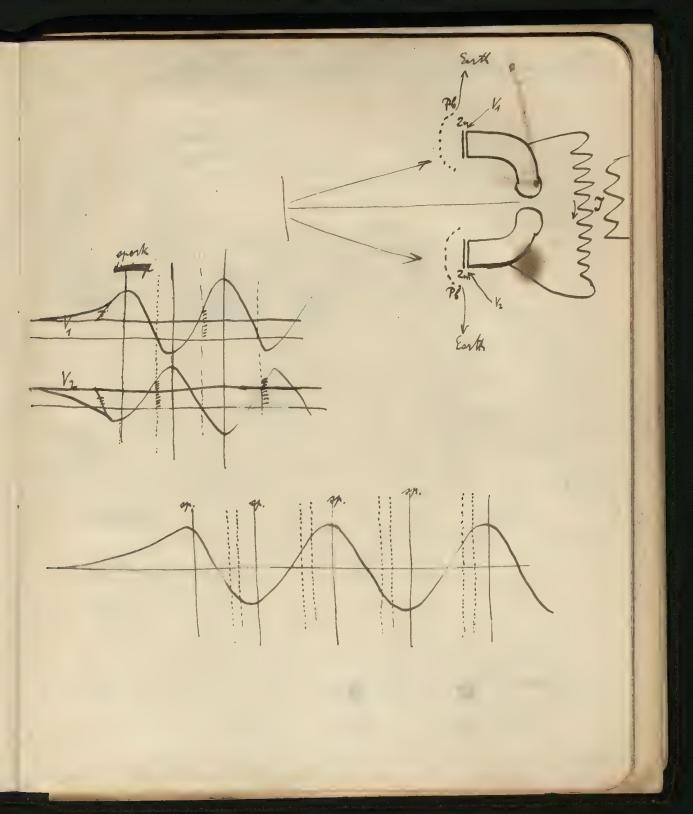
, -0 , - , - , 2 (A) m. "1 , m. = 3% - " .. = = 36: 10 1. 10 1 = = w 's' 15 to - 0.000/ min .



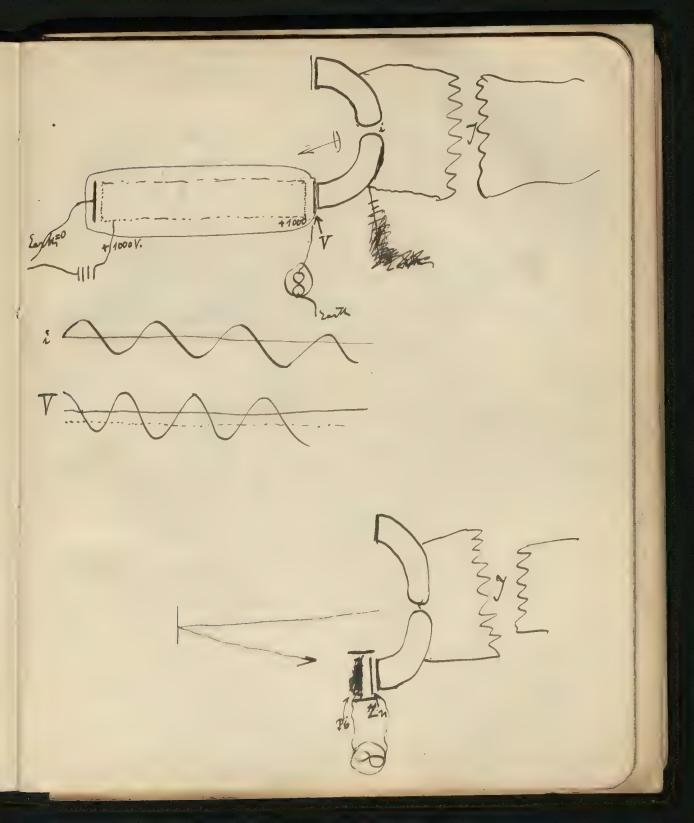
Electe. will be dayed only if Zu has a sufficiently high positios potential in the mornet when the of corporales realist The zero points of were one not forourable In cherjing, will be minima.

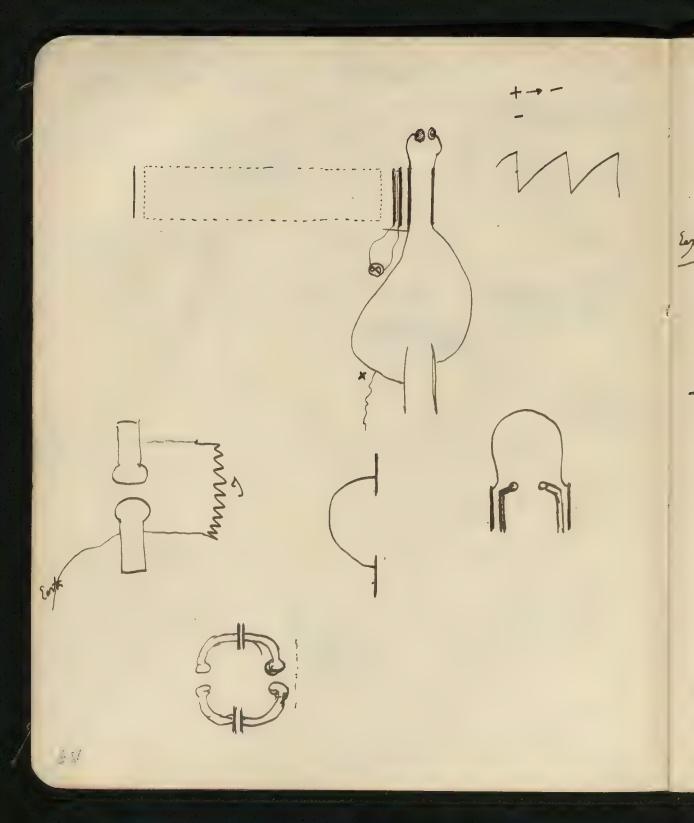
Connector of more. & mours of effect Wave length of Vitrata More accountedly by adding an electrometer force between 2n and E: If emission of coth of rays is only turpovery the bytt acting

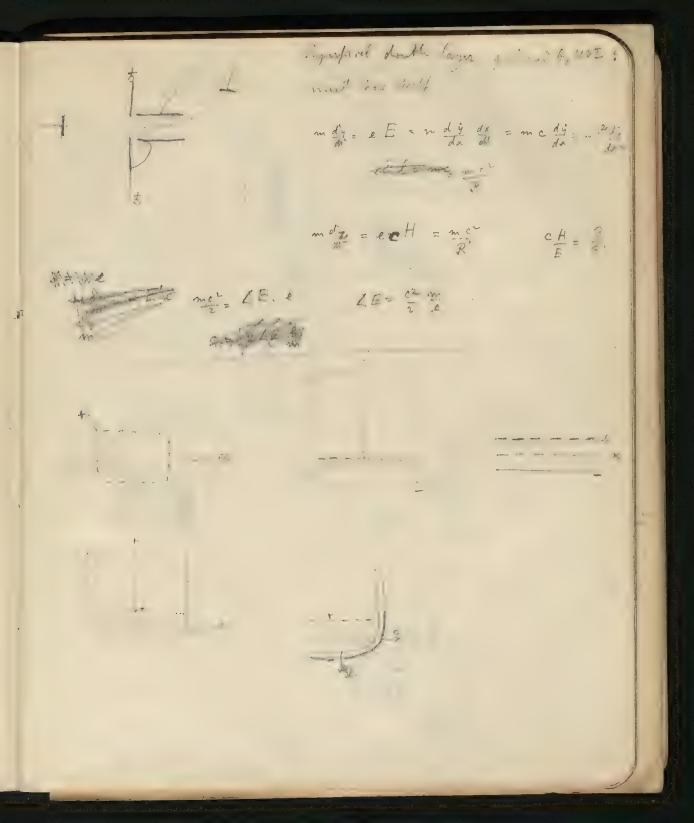
1.5%



K. T. 1 is = - x - A dx Jx = i 2 10 x= e -yt mat fill a man with die - et [... i + a xi t] air = et juis et - approprie Alle ment 1-2- N + 1 .. 2010 = + A 22 Pull 10= 1 x - 411







If really the optical constants are altered, and probably most for those rays hach are spica crows in production of cathods rays) this they must depend on the strength of the incident light itself!

This would be demonstrated ecross by meaning the ellipticity with strong.

A veak light.

Age adjusted that

091

MININITY TO

Does UVL produce a change in the aptrech wanterts of metals? a). generally, by increasy the mater of free elections and commutating therefore (very small?) b). by splettering special Knows of atoms, If certain wordsons, probably the same, which have woundaring frequency of whateon Index of repetion, absorption, ellepticity (principal indexen principal assumt) reflection power Only relative measurements with & without rays. 1). Uppertied 21. transport layer -Afritameter (or frestrophotomets)
adjustable olus, appear port of slit exposed to UVI (whelly most senstate method: of light to be memoral

To Phosphores en ex produced by UVG on metals? Anc eyeor thermopile afnows. server, (bolomuta) Thorr metal layer In transport light: Jethe with Rb in vacus Glass

Ellepticity (indistryment, as must preside) Ited wasterts. n (now of reports) and k (aboution) in this layers Frets measurements of unpratecul Shortlan Otto: queraplate, covered with notal ? but brought of With in Reflective power the the delayer!

Superficial changes of metals, while emitting cath or rays inversation of UVL.

Conductivity of transportent metalic layers, is it changed by UVL ?

Free Surface (in air) may change rapidly by the action of UVL

Out metallic layer deposited on quarz plate and shone on from ballwars?

(Thomson's theory of metallic ionletton: Rapports Coupies I 1. 138)

When UVL produces cothod rays, there ought to be produced Rongings too.

Intermport layer of Rb or other metal

To Au-glass (Soldrubins) (with alternative portides of An, not undergoing durant harge in UVL ? Or showman ?

The ememon of cathod rays by WZ, does it depend on strength of electric feels onto de or not?

onto de or not?

gnantity of cluticity corried away by UVZ

D. If not, then the deposition of abelia deeper in vacuum must be industrat
of difference of potential [except contrary EMF sufficient to throw them back]

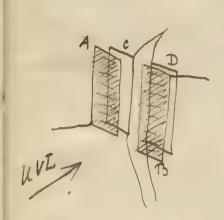
of difference of potential [except contrary EMF sufferent to throw then back]

2). Then the amount of work necessary for trangely the particles would be

coisenaled from measurements of vilosoty at different strengths of field (Lenard).

3). If, on the contrary, the strengths of treatise field has an influence on the amount

of particles town off the what can be shown by \$ (1), Then the work required to tran off the particles can be shown by the following arrangement



NVI falls through the two simular metalice
nets AB on the similar plates CD the rentain
of shish is measured by brody method who bolometer
A has the same petented as C

B has a resulty onet literan of rot, verous D

I has a possibly great liperena of jot verous D

Will there arise any deft. of teny. in C, D (cooling of the plote D)

100 100 red = rediction 10 against 00

$$v = \sqrt{2} = V$$

$$\frac{1}{m} = 10^{7} \text{ em}$$

$$V = \frac{1}{2} \frac{m}{2} \text{ v}^{2}$$

$$v = 10^{10}$$

$$V = \frac{1}{2} \frac{10^{7}}{10^{7}} \cdot 10^{20} = \frac{10^{13}}{10^{13}} = \frac{10^{5} \text{ VM}}{10^{13}}$$

$$= 10^{-20} (2 \text{ m}) = 10^{-10} \text{ Conlands}$$

$$10^{6} \text{ July} \cdot = 10^{2}$$

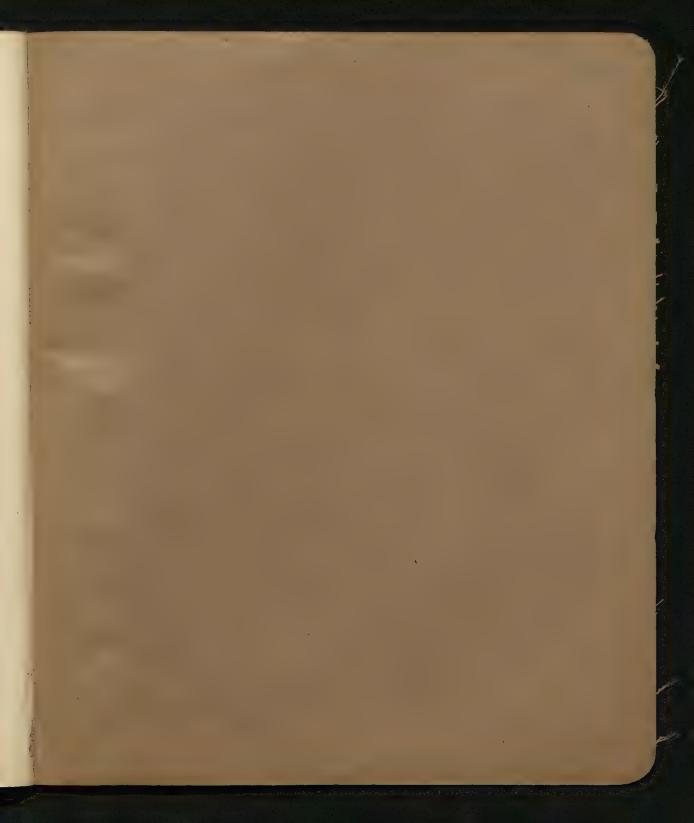
$$= 10^{7} \text{ if } v = 10^{9}$$

$$= 10^{9} \text{ Inside the second of the$$

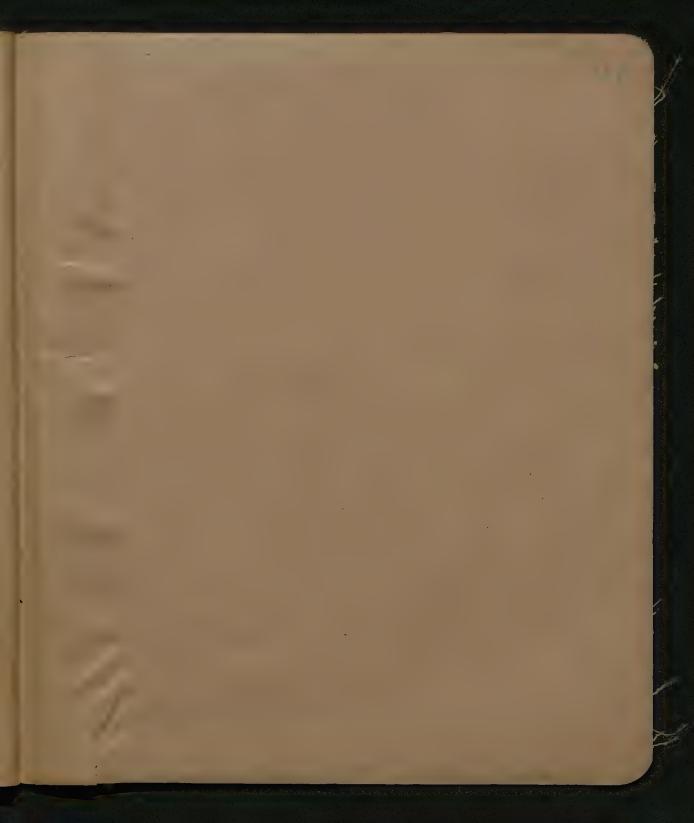


attending mout 10th Any

. / my 10 ! Conq 1000 = 152 F. K. W.







(PAT) Sekreta venol zapowiedzia u. Przybędzie an 10 grana I ondynie 4 dni, w czasie k yczerpujące rozmowy z czkotaytyjskiego. Dzienniki przewiduje un rozmów będzie m. in. kwesnia Ligi Narodów.

TA TANK

znane są wypadki z 6, względnie 7 listopada należy szukac w szeregach wejujących naronamizm winien rozrachom, lecz napastników podezas których zabici zostali na ulicy dwaj 1932 roku, jakie wydarzyły się w Królewcu dowych socjalistów. przyczem stwierdza jednocześnie, że nie kovystępień komunistów wszystkie wydarzenia dlatego, że panowie stale obciążacie komuniwybitni przywódcy komunistyczni. Pytam się okalne. Daje to Dymitrowi powed do newych hydr nor down stow, podezas strych ataków pod adresem władz śledczych, dustrowania caloksztaliu pelniając wywody Hellera ill z Hamburga i Hohmann z Królewca usecjalise. gdy faktycznymi sprawcami Torgler: Czy świadkowi Swiadek Hohmann przytaczają dla rewolucyjnych

smo, w sko-amer osiągniec nież, że 3 wypowiedzia międzynarod że w Kongres przewidujące w go Senatorowia podają projekt ust podają projekt ust podają projekt ust krycia, srebrem emi

Nie bedzie dals.

(PAI) "Daily Telegra korespondenta wezzyu że już od 6 dni ceu z je niezmieniona. Ta wania zlota przez rz

-1111030

$$(c_{1}-c_{2})=C=\frac{1}{4}\frac{1.96}{96}=m c_{1}(1-\frac{1}{2})$$

$$(c_{2}: m=74)$$

$$\text{William: } y_{0}=1:311 \qquad \frac{11.760}{88270} \qquad \frac{10.857}{89.153} \qquad 0.4876.1711$$

$$y_{100}=1:284 \qquad \frac{11.760}{88270} \qquad \frac{10.857}{89.153} \qquad 0.4876.1711$$

$$y_{100}=1:284 \qquad \frac{11.760}{88270} \qquad \frac{10.857}{89.153} \qquad 0.4876.1711$$

$$y_{100}=1:284 \qquad \frac{11.760}{88270} \qquad \frac{11.88}{118} \approx 1.7311=814325$$

$$y_{11}=1.746 \qquad 0.7311=1.746$$

$$y_{11}=1.746 \qquad 0.7311=1.746$$

$$y_{11}=1.746 \qquad 0.7878 \qquad 0.7878$$

$$y_{11}=1.746 \qquad 0.7878 \qquad 0.7878 \qquad 0.7878$$

$$y_{11}=1.746 \qquad 0.7878 \qquad 0.7878 \qquad 0.7878$$

$$y_{11}=1.746 \qquad 0.7878 \qquad 0.7878 \qquad 0.7878 \qquad 0.7878$$

$$y_{11}=1.746 \qquad 0.7878 \qquad 0.7$$

$$\begin{array}{ccc}
\text{Athylen} : & m = \frac{2\xi_1}{4} \\
C_2 H_4
\end{array}$$

William:
$$f = 1.245$$
 $\frac{38917}{61083}$ $\frac{27646}{72354}$ $\frac{18243}{61083}$ $\frac{61083}{47160}$ $\frac{4082}{0.1209}$ $\alpha = 29.6220$

Wiedena:
$$c_1 = 0.3364$$
 $1.96:28 = 0.49:7 = 0.070$

$$\frac{0.4189}{2664} = 91645$$

$$\frac{2664}{42553}$$

$$= \frac{91693}{42553}$$

$$\frac{49092}{}$$

N

C

H;

Reibung Coefficiente:
Sichen - OE Nuger Kuhl.
(17:50) 0.000 Luft [191] 179 212 N_2 184 Hz 093 92.3 160 152 C02 CO 184 CH4 120 108 NH3 97.5 H20 97:5 CL H4 109

4

Literatur who Warmelesting Workelmann Toy Am. 156, 1. 497 Denutet Apparote von Stefan's Form: Nevery extinctes should Kants An kotopula ged Ates mit Has Pitis als Verbily; Left thermometers diksonsj; nels = 15-2 mm pg 504 Its Almys Immotion must not Non's Nettook died Auspumper der Lift, wiil mitt genigent ditt, sonder druch Bire hung S Agranate Vyl Amerion sport IV TIP 18282 H= L+2(R-2) 1384 2 = 1.8327 cm 4---9-996 8.057 4 n = 10.043 2.155 1.403 2.155 3.3947 R= 2.1467 105 739 Z1 = 267.3/gr. 182.85 Emplus du Ftrongen: 138 2.90 mm I: vly= 0.000509 49.6 43-3 13.1 748 260 260 ,4 725 161

- of of Anily. 514: " of the notice end 2 ha Im Person Wim Itsely element wit, foll: h= 0.0000528 The Elmonation winde folge Ma demsefolge und spront I als parements victer verson det: Warnerstoff: 1= 750 -- 91.9 4.7 3.0 192 5.00294 290 216 258 245 . wo cot I'm tip ; if Jee or Som # 18 le CO2 de blat his Showophers drick donnt Resultate: p.g. 526 vloge k Inch solds Ses fin 7-8°C 0.000 480 0.0000 231 25 1 - 30 mm Left 2900 3361 91.9 -329 355 317 Som.
453 : " COL alles noch zu vermi dem Ci Hy um 1:1% wyn JAA NE -CH4 In Remotal pay 527 not PD 539 510 4 NO one fragorifu co · 592 563 =41 02 390 361 4 \$53 524 4, Viter Correction in Rechy with angelracht, hypothemisch Abhalf vorangentet En Sillum Reglock wit Clauses & Siones 11 Theorie; Remetoto 2 Ash beden.

In Disny cuf Temper sterspring: p ind in to specificate in: \mathbb{Z}^{-n} $\mathbb{Z}^{\times} = \infty \frac{\theta}{\mathbb{R}^{-n}}$ $\overline{L} \propto \frac{\theta}{R-2+2y} \quad \text{dro} \quad \overline{\underline{L}}^{\times} = \frac{R-2+2y}{R-2} = 1 + \frac{2y}{R-2}$ Somit je = R-r [[] die I simt ale proportional v by e R-r=0.314 cm $1-4.7: y=0.157 \frac{32}{2.58} = \frac{0.157.16}{129} = \frac{10.5416}{0.01948}$ 3.0: $f = 0.157 \frac{45}{245} = 0.157 \frac{9}{49} = 0.0288$ 1.65: f = 0.125 $\frac{5}{108}$ = 0.0238 Trobe: - py = 00916
864
0.1033
1 Nottel: 0-0928 Somit p= 0.000122 cm. 760 Was par his out 6% mit den von mis forman With aberingthment!

Auch bes Lieft in Spar I and dies muchber, the ans du eine Ondally be: 2.93 mide cea & dress Wether also cas 0:000024 fig-, ela diss it notifical en moscher. Jonotiges: Ocealing inguan; withboriski At of winder Viranduly Ment von K not trung ingenane Durchy des Warmeflines (Siche Kutto' Was for Westhe winder for die sper Warm des Nensigs genom? Wonde du Kartschukstopsel bon les : 1 gr ? Slassothe boldet erie selve groch Tehler grelle, venn man p = 04 cm assissent, his 2m 10%. Vogy Am 157 pg. 497 En Destrong du Tengueter Abhänghet wonder Slas Aparete benitst I R= 1.946 I 1.294 I 1.247 a. 1, 108 } & 22 PP 1710 R-2= 0.318 0.142 Stylac! heretter mode Marily. L 180-90 [Oad=0] und 118-108° [02-2=150°]

Apparat I): CO2 in Eis Left

750 98 2 065

1=750 5 1386 4380 4328 0001952 1934 1588 1322

The = 0.0003265 3186 4380 4328 in nahmen Woom: 1=100 2748 7550

Apparet Il Luff H h= 100 100 90 vlye= 0.0009089 1567 } in Eis 0.006/38 0-001264 1906 } bicco 99.50 8275 Aprovat II Luft
5
(10, NANNAMA) ritts
0.0004335
0.0001507
1= 47.9
10
3.62 mm
t= 224
224.25
228 t = CO2 0.0003271 5 36.5 5 0008398 0.002330 in cas 99.4° 5.0007704 10 524: " -... 6 Jl 8 1 p e f J pl 4 2 - Simers. o Apr 10/" "concerace & PIN war Cy 2/22 M & Lastin d. An. Ms y n coly & N, con / Sn" Nit Deni Artho & 2 Courtom (Feller d. Thermon, ge sper . by, the sky off) No folge also folgende Worther fin A = K100 fin Luft & Warmstoff, and of Efor & B = Krov KCO2 S tt 11 A D Ouching down side marche! 1. 2477 1.3661 Valorer sellet findet fin Lufs H: 4= 0003648. I 1.3176 1:3429 1 1. 1383 1.3644

Di Derehny des Tempratur Cospicienten it four ierthbo othetet sich out die unbeween Vorans toj de She Ahit for Lift und to Resultato de vushieden Aparato stimme schiet ye Warme-Mayhot des by melhant the In Derry and Temperatury : Apparet I: $p = 0.159 \frac{346}{1588} = 0.0346$ 0.0692 fin H: 1=2 0.0478 $\lambda = 0.65$ $J = 0.159 \frac{612}{1322} = 0.0736$ He Dies geht nicht so ein fech wird bei vlye moch sche wird Strelf it Augunahute Durky: nach Winkle 19538 = 6.33 egulloch noch mole 19340-X 4328-X 19340 - x = 6.73. 4328 - 6.73 x x = 8056 : 5:33 = 1511 Somet: 0.0366 1=2 $y=0.159 \frac{346}{1437} = 0.0383$ 0.0 540 $\lambda = 0.65$ $\lambda = 0.15.9 \frac{612}{10.21} = 0.0831$ 3648 stimmt also redt what ellerdrys It R-2 sole moider Menor and I sullet

Aproved I th= 2.039) $y = 0.555 \cdot \frac{4}{224} = \frac{1.11}{112} = 0.0100$ Tum helmen is I ein Feller in Knudt & Worlg overgrot, underch Kylp = 6.54 nach KXW. and will 7 1 wir sie angesten (du Werth fin H winds west and O reducert) Kund & Warbuy Tog of A. 156 p. 177 Apparet I: 2=0.461 em p= 1 mm 14 cm Cylinder Erfest R= \$ 3.1 en R= 2-972 P = 0.55 1 \mathcal{I} Resultato: I Luft: 1= 700 t= 171 225 760 219 760 148 234 3/3 154 154 223 277 363 19.5 9.8 3.8 225 277 369 4 226 278 1.59 364 225 280 Silt summer for Abbetly von 59:30 and 19:60

CQ: I		\mathcal{I}	
760 155 77 150 0.5	203 274 349 350 353	760 277 150 380 9'5 460'5 4'5 459 1'26 470	760 261 150 300 9'5 306'5 4'5 295 1'26 302
H ₂ : 760 154 8.8 3	72	760 81.5 150 90.5 9.2 92 5 95 0.9 105.5	760 46 150 45.5 8.3 49.5 4.4 51 1.26 66.5
Herstelly des best 12 mms: App. I: 1= 9.3 2.63 4.0 369 1'2 364 3 & Evac.) 444 5 & " 555 or 1/1 wor 2 bur 602 co2 or 2 and 200 st 712.5 708			
App. I 760- 171 118 234 9'5 270 0'5 200 Vec. 576	114 76: 114 15: 116 P.8 15:4 Vac. 576	68 10	Vac. 588 578

Jagon nlhot: 10g. 20g ko = 0-0000 48 Styan fund "Myen d. Unsidulet in d. Deting von C lyen in d. Streety more told von d. Stefan', her kein Ordenty, his " Anshedem, Theresometer ouch mit Normal thermon. verylecher (29 190), aber ere es shirt uns einmal; unturnet nothig voire du Voyledy. gever noch de Existen and 2000! Duarting Kngel apporate wherh asyst wicht gut verwendbar, wil der Simples des Stieles viel en grod und en schwer abenschätzen ist. A wirklich ein genigendes Vamme wurdt wurde ist nicht envisen. Es wein Verselling. nottij geser. Daber mind die anjegetene Eablen: mer nobe Amahernye Relative Watte: CO2: 0.58 Az: 7.1 [In consigner nach Winkelm, pg. out 6:54] In Desig and Comprotorsymy: He sind bran Abor sin Nur die Derbarting bis Order biner ungskehet: $k = \frac{L_x}{L_x} = \frac{\dot{z} - \dot{z}}{\dot{z} - \dot{z}} + p(\dot{z} + \dot{z}) \qquad \text{Formel (9) in naive Ably} = \frac{1}{1 + p(\dot{z} + \dot{z})}$ 1 = k = - 1 [k-1] 1 - ts $= k \left[\frac{1}{t} - \frac{1}{t_s} \right] + \frac{1}{t_s}$

Z = 1: #2:972 = 0:33 = 0.11 д = 0.0130 pm / 2/1! N= 0.0043 1+0.0043.2.61 1x = 149.2 132 : 1.01 = #x= 67 to = 580 = 172 Also bei dan gran Grish der Vermet of Aler [Line 20. I Left, II co_] sond it die viel en veng um eine Deruhy in gestatten. Worsen shelver and who wish Im Afollow vorsalige 20, Luft I fix = 95 (his den Apport II, welcher eine deutliche himsinky zagt, simt vieder die Dimensionen wilt angester, daher in diem Grandt ubranchter.

Wiel. Am. 14 x/ 8 8 4 1 Christianson 2 23 2R = 13.13Themson to \mathcal{I} $\mathcal{I$ A Cel - Cr d co 12 [= 26 1p] or B chacol I). To= 10.6 | To= 12.0 | To= 13.0 = Temp ex. T_1 T_2 T_3 T_1 T_2 T_3 T_1 T_3 19:54 15.88 6:56 33.33 50:28 3.54 48.68 56.43 8.36 untrandter voil je denfolls milA stationer (Inday in 0'3° for Me Plate in 12 min. 5, = 52 = 0.0754 To = 11.8 To - 13.9 25.86 15.66 5.44 47.69 26.60 521 Deruhang: \(\frac{1}{2}(\tau_1 - \tau_2) + \frac{1}{2}(\tau_2 - \tau_3) = \delta = \delta king Dann folgt mit Doni den de aindere Warmslerty: $\delta + \alpha \left(\delta^2 + \delta T_2 \right) = \frac{h A e}{k s} \left(T_2 - T_0 \right) \qquad \left(A = \frac{h \ln \left(\delta s \right)}{k s} \right)$ Di Veronde lanen zich gut darstille durch: a= 6.001504 MA = 003931 h = 1143

k

01

R

In en

a

Vernorkingn: Anthre Wernelet fishophil ist fyithe du inner Letings than jide fells blein, vind sie 20 g n to so minste sich angendeute Resultate ergele dies strut du jor nicht : D= +0.07 - 0.16 - 0.47 -0.05 -030 Die Derchung noch Christ Formel itt viel zu unsicher, weil viel zu kleines Temporatur-Intervall, um 2 such unbekamte hoch en finder (ans 5 Versuch -, von dem ! eries unbrambles ist). abuhangt to sind die Verm he sche misicher de ein missinder Fehle in 8 (20. eine bleine Dur Abigny it) einen riengen Sinflan hot. Winkelnem Am 20 1. 350 Denukung 2 de seg o 1 1). h = ep = ent. ~1-600/2 50 20 2 2). . J/ (19 1.282)), porn - 6 c el S & Cz - g ~ aphone in the than e fulle

Snatz pg. 232 Spranote Italed in K. X W. Liche Sk. Am. 11 j. 913] I R= 2.9775 2.8698 Jevans folgt:

I

C= 043205 0.11717 (1801 Kether etc.) 0.4092 2 = 156 . 14.7 (Stila) C100 = 0.13311 011800 0' 1808 P= 01753
Playwill = 00142 C182 = 0.13475 012054 wohi = 137 / 5 0.00332 angenon } 1.8979 PHg = 2.2641 0.3060 Pyles = 0:3171 0.183 1000 } Duloy & Potest to I. R= 3.0011 "Di Thomson s conget s De V 2 Normal Th. 9 Teng. 4 & Kuft the reducist \$ 238 Resultate (abgelient) Sprot I Lift: 1= 760 260 68 19 9 nor N= 63.0 anf 21.2 t = 164 211 256 265 267 H_2 : 1 = 760 250^{*} 64^{*} 22^{*} t = 57 64 65 66 CO_2 : 1 = 760 250 66 21 6.5^{*} in Eis 308 337 336 195 252 Voum:

Luft: P8 33* 1= 760 260 105 129 139 141 141 von 163.6 auf 124.0 H2: 1= 760 240 103 | CO2 ** 6.5*

1= 43 46 46 66 22 6.5* in his ? 46 158 161 161 Verm 224 Luft: 64 20 4 J= 720 340 120 77 78 81 to 67 72 75 rm 235 auf 220 2.238 1 = you 260 110 t= 26 26. 32 ¿. co2: 62. 7 = 760 220 191 t = 60 76 77 85 87 88 Strokly: 128 Speret I: Luft: 35 60.6 - 20.5 1= 745 400 100 t= 154 172 233 23/ 221 Vann: 517

60.6 - 20.5 85 20 300 p= 740 56.5 58.5 t= 525 58 Coz: A = 740 350 70 t= 170 198.5 272 35* Lisp: p= 745 400 100 t= 107 118 138 140 144 H2: 1 = 740 300 P5 20 41 42.5 42 42.6 250 70° 10° 1 Coz: 1= two 154 157 160 113 125 Lup , 7 = 70 80 Az: 1= 300 120 28 20 CO2: 7= 80 Shorty = 112

Fin die Strolling allein benchnet er darens pag 243: $7^{2} = 0.001226$ 5 = 0.0021 1 = 1von 03-4.2: 163.6-124.0 60.6-20.5 α² = 0.00 1353 b = 0.00 po 1858 67 I161.7-121.5 voke ober defferensen his zu 3.8 see vorkomme! Ebons wind for Strolly + Zoto ein solch Formal berchant [I by $e = \frac{1}{\alpha} \log \left(\frac{1+\beta t}{1+\beta t} \frac{t_0}{t} \right)$]

Apparet I (Nilli) u = 0.003832 $u_0 = 0.001559$ voians: h= 0.0000 4844 I = 0.0001500 = 0.001217 k=0-0000 4831 Inaly k100 = 6.00005734 mans f = 0.00185 Demerkungen von Winkelmann zegen, dass obge Ruhrys ert jonz weeth los it inden die berden Apparate of pour ven breden Resettate
geben; enorme Febler grunnen, betreff y, da ninsbesonder proposed busher land
Er ges totet solbet. in yes total solber. 10g 542: Und sein ohn augsführte Dehauftg. nuns dahin modificiet warden, dens fing of A die Wertite wis her 0'0010 mit 0'0018 dorstille lam [Dei Agneset I allein) p of 543: Es scheiner jedoch in du That die Derbe Atrugu an Apparat I

choes hand Rendlote en grow. In es 300 e v f Apr 1 Why 2 N 3/1 ~16 ou pl cost. en ap inth. pyl sport of 87:8 Lang well. In (!!!) Winkelman pg 534 / Winkle 19 rg 651 (siete 1 9- 541 Degyen vist ståte pag 257 vortig and emile Feble guelle bi Winhelm. him: Starlity. kam 10% bitiger (vem derselbe Guershift vorans gents) [October Safferns des Sontan des days and hat er mer bei Apparate von since eigen Form Right Betreffs Sinflusion der Mongetion der strollen die Worme [miglichenen bis co. und der Duhweren Som, sont aber wilt] His good it das Romonety fait argonomen? A Hg 20 = 1:0936. 13-596 = 1.0033. 13.6 408 12:655 abyro = # 13.555 $\sqrt[3]{\frac{2 \cdot 2 \cdot 641}{13 \cdot 55 \cdot 5} \cdot \frac{3}{4n}} = n_{4g}$ 49715 35488 47212 2.6 4nn = Slas 13 240 83200 23131 23/3/ 10.60069-3 0.53356-1 0.3416 = THg 34 1 38.2 76 reg 921: ev-12 tops you yande I aks dry funes & em en ord

49715 0-3171 50120 60206 67830 J= 0.09 p21 2.6 . 4. n. (0.382)2 16912 82290 3416 41497 09081 167830 besser folgendernesten: + 012196 2.2641 0.3171 0.16703 12196 028899 3/0.28899 3 50120 35490 13210 41497 93802 417-5 22280 08623 - 09921 1.83881-3 ry 2041015 cm 0.61294 Somit moch wentger wirde ens den vor Eracte Jemen Sewicht nich ein Alimerer Knylradius folgen als er selbst aug tot, vahrend die Knyl jedefolls noch um der Stielans etz en vermehren gevesen vore. Doher dirfte jedalelle des Slos gri At en gerif orgyste sei, doher (en klein und elenso ken klei. Di Deperus betrigg 3 % in 1, dos 9 % in Vole und fort ungefoles eberso del in C Strolling beträft in der Vermiche mit Tuf, fast elensoviel vie Zesting! Stal it viel en dick ; were er bis an die Want werde, wiede es bi stott måren finne mehr viglester als das Ess!

Wed. Am. XL 1. 474 Winkelmam: 8 50 8 ele 20 5 ers e Dending e 'n's of Port & c duster. : Winkelin 4 p. 321
William fo' - go e e Ms Who ~ much storige 20 66 - 1 ~ 20 tomiges fr gave a ob & 2 atomy y lo bt [ihr Jung coops & related signs] Dehalt solien er vrinschens vert die Akkangspleit der Warmelsty von Such notes In intersuche, do die 100 box d K og V & & album Apport: aluled in friture Slosepp.; r= cra 2 cm, R-r= cra 0.15 cm 10 m 740m 0.00000 0.00074220 0.082 mittl. Shr. 6.13% 0.0011277 D= 107640 00011245 0.5 % 0.5 50 Athylin no 0.00061984 0.000 61776 D= 8.10 0.00 % 0.05% 0.0010802 0.0010988 D= 107.78 0.2 %

de

h

_

en

4.

/

I

1

8

9

Ag 48%: foly dan d Untershood in The Sofely wilt ihr Dying 18 deni fråde komme, dans die Ok ob. -... vunbed. Ink de Sens enbyude. Er hall es abe doch für wahret, dass k mit wachsende je etwes dusment med still Hypoth. dansham vie dies en whoise van 1). oheret Allangsghut von k vom Druck 21. Infolge intromoleculare Krafte Knach Van d. Waels) Disc minimalen Unterschorde könnten ska such en fach in Sen einer Absorption der Straklung durch das di Aten Sas begrindetsei. . pog 489 blerberk: Cy d, o p 2 Temp. No ! pop 913 Siste 8/8 ng se als. Emisse ono Apporto nach Ks We; Sex Mer's the Omnige mit 2 Hahr I mit Cylinder grand Inf: 343 Hz: 45mm t = 107 3 Levae. 209 f15: 410 wedathazelr. 452 8: 546 8 Even V Hot 2 504 10: 663 6 4 619 682 671 Olar s -D14 4: 678 N 16 h: ray 118: If 5 D red Evec. Porty of a Teny Interv. of _ ~ & Int. 5 e Apple is even · South va 2~ for of of on) - 2 to 1 mg = 3 Jeng 21. 8"

19 921 Thom. Capill. calibrat, und Streetye correst (Wohland 1.68) hierart: 6-8 Stander lang bis with 300° in Sandfart whites 2356 - 2014°: 128 128 } Abbitly in 1827 shed. Andi 163.6 - 124.0 : 224 219 } 100° nied. Warm 1992: 63:0 - 21:2°: 587 581.

Jer hinfluss des Philos der be the I disken Stal woll demoble , martina to down the milt gettend, die lite black dienther malling dam wie the das Mail engetom ht worder Last gay. 928: On Warmout des The & KIW. " of earles I had ; pel Whe co=0:15663 "12/0 for Whe Pin. 12 10/2 Mg for" Ann. But 19 28.649 Winkelmen: 8 Me Gr S & 20 LE temp. Nethode: Ilas Apparato sentre den Form He in Zuff in evin Will Werm donelle Thermometer bis & Tunt t in mil Rad, R, alykuthe wint C+ v2 = K+ f(2, R2) + Eyes $C_{\tau} v_{1} = \kappa_{\tau} f(r, R_{s}) + \xi_{\gamma}(r)$ Cy 12 = Ky f(2, Re) + 6400) CT 1 = Ky f(1, R,) + Gy (2) Voias shu Kenntris des Simension folgt: $A = \frac{KT}{K_{\tau}} = \frac{C_{\tau} (V_i - V_{\tau})}{C_{\tau} (v_i - v_{\tau})}$ Desto framer je verskredener Rund Remis und je kleiner 6 it, John and Meeter

Tv.

1

Here Nettsoch konnto de de facts wicht agwendt wider, da en groch Tible intolge Atallesting; daher blilb es bei Winkelmannis frihus Althode, while Shi Aheat vor fin Left und He voramsetet. Apparoto: (impfåle Dirnensim) 皿 26 2.6 38 0.46 0. 95 0-43 . 3.00 2.68 2.98 0.70 - ..0.90 0.33 19.00 18.00 18.00 0-67 0.73 073 0-09 0.4 anher and wend he 0.03 Souit Guesschatt 01 0.21 oler Radiis Hoste Stile c). Windsham Fon: V 099 2=0.8 R= 1:45 k = 5.0 H = 7.0

8)

2

/

16

لذ

-E"

for Luft want to mourillut. Es Joyn: verillest midt our vienthat An I 0.00 555 189 162 138 - Nittes 184 = 0.00166 128 174 170 137 148 IV 0.00143 4 0-00 243 250 236 In Unter Now well We in du Ster lety welche di I - To von voil grothe und inreglin a Argum Girflass IT. The Existens beneat is throuthout and down onthe durch Joljude Versuche (do du still mit rosche attill mas)

1) Mailys ist andays kleimer als motor:

186-166

186-166 IR, his 25° mant: 0001453 ...0001512 Wenn dagign bis 50° en ant, solvert meh merklich 1594 - 1599 Loppe var es for Apparate IV- IT gles Apilly vie hoch ni amfays ervårnet inedu. Noch andfallender bes versilberter bryel: ervornt bis 250: Akri lengs teit von 18.6 - 8.6: 346
500: " " " : 217-5 Ebeno Ayard IR : versilber 208.166 34528:143=142

Ø

d D

W. nelt dohn mer die Kemeltete IV-VI als madyhar Derens folg: unter Amohne von Sleichhit fi Zutz: 0.00208 [und Voroussetzg. du Comtant vor cy : 0.00231 Wenn dageger De ein Afferens in j were von 0-00020, no vinde folge: Left: 0.00232 Hz 0.00212 Den Unter Michaelyn seine früheren Wert 0:00277 richt u darin, dans dort wahrshafulth das Warm wicht die eyenommen Fiedstengust ist. Andop Vernche für CO2 Acknowlenge betriff de about Worth: Willner benucht dan OE Neyr's theor. West 0.0000492 fin 20° gret dayyn 452 fin 0° Relative Wester: berechent von: bevlatt O'Eregen | Walker K& W. Winkel Styla 0.691 Strokowydel 0.864 0.693 0-665 My 1.102 0-788 0.762 0-843 CO2 0.604 0.854 0.863 0.288 0.642 (fri 7:8) 19690 unjuar vill fri an den Tenguatur glitze Water buntit omed " by [" - my off an coffeed " see 26/20 eoff ads" time bollen Derichtigg: dan &r & D Classins of a Eng & prop Energeld

Wirlam Am. p. 68 Winkelmann sof 8M ease 20 de turp. Nethode von Christiansen Oben Plotto duch Warm danget grand in sout, nature duch kalter Veneration objeticall. Jump Nessury in this Olotten du chmener 14'375 cm Thermometer A. ke 0922 # 2.269 am Ablande (mittels Slasstick der) 0.0474 cm Derekhung II Nottels Eliner ation der Enderen Warmelesting h ans remnye mit verschoe denen Platter abstand III. I a). Nachdem die mottere Platte ungligt var, venn man aminut dass si three gwill was 1) Platter nen abyschlafter und Undrihen des janzen Platter-Systems (elefalls 2 Destance) II) Nach dorecter Octimmy von h mittels Abkrilling von Olotte in frier Luft Remetali: Luft

No. T. 168
Non 267

May 244

204 I 169 304 232 Jedesmol 4 Weithe (vasdweden Combination der Nessungs behirfs Deredung)

Jobes obn Verhaltus Ton 263 I m Ia 406 343 Hz (mor bes growberen Rotten dottom) (che was head Platte doch) d=000247 Di dobi duch plateter Veronche II ergeben en vers diedenes to fino horizontale und verticale Platter, with rasher as proportional der Tenny defferenz; Exponent bei honz ces 1:123 } solve myrfähr

Wed. Am 40 g. 697 lishon &News # ero Letuy. Nach dem bishusge Vorsniche siche unbefordsjund, wiede mach Wirklimandes I Nette ade die Untermely winder oft, Denser Was, daher etwage Thermometer feller ans ges Alossen. n = era lem rofunder Rol for This me Apr. Hgi 5.19 9 1 cm 3 mm 0.2 0.5 5.37 2.2 2.5 加 6.05 1 I 2 0.5 5.95 2.5 2 5.40 0.52 2.2 (945 A) V= temp o Dades (VH415) e ersten Ablesony Sottel tung. fin while v log e golt 2 t=100 29 Agrarat 1 vloje T p 876.11 0.002652 119:14 107.28 99.72 3 mm 1679 1328.26 200 . 7.88 0.0 119.86 107.09 0.00 3083 710.31 I 95 99-71 708.61 3100 20 99-71 4 1/ 20-36 2008 1083.55 805 1 882. 00 4 2004 111 874.46 98.71 12052 2427 107-95 880.43 2421 98.83 4 19.73 8.07 1475 1264.04 1475 127130

	4	99.78	120.67	108-23	0.00 2850	722.90
IT		"	4	4	2870	71776
>	8	0	20.06	8.59	1823	1218.00
	8	1,	(/	4	1826	1215:50
T	3	99.72	120.52	107.82	0.003848	55898
1	3	0	2017	7.92	2513	879.91
						122
	1	, ,	Waner	Topp	1	
I	48			106.82	0.009091	144:12
	48			8.32	6944	321.05
\mathcal{I}	52			107.36	0'0 41 518	
t	16			4	11 58 3	
1	麵。	50		7'92	8912	
				l,	8922	
: 1	40		•	107.74	0.008611	
ĺ	70			4	8626	
	40			785	6543	
	70			- 1/	6550	
IV	70			107.75	0.011058	
	40			7.75	11148	
	70			4	8669	
V	48			108.12	0.015874	:
	48			7.66	12372	

ø

Apr-1	h	I T	vly L		Allyla			
I	0310	108.0	0.002340	I	10 5	108:55	0.002977 ;	
II	5	10877	1358		10 5	7:94	2978 1689 1697	
I	4	108.54	1556		10	100.25	2463	
IP	4	108.33	2726	_	10	9.21	1348	6
T	4	8.05	1605	I	10	7.86	2595 2655 1470	
	}	781	1945	T	10	108.17	3730	
	Derchung nach du Formel: 10 7:81 2098 A = KE = Ut, T - Ve, T fra Left und Az							
A= Kg	- V _{11, 2}	t - ve, t	fin con:	- 1	1 1 7	+ (A-01)		-
Jones	' (/J = '	THE - VAC	· N4~	(/) who	$= \frac{k_H}{k_{cor}} = 10.4$.85	M	-
41	uno fra	Geby: 1	n=8'03		k cov			
		Doran	s folgen:		A //			
,			CO2		Crth			
I	0-0	02133	0-00 35		0.00464			
I		2095	350	1	479	*		
TH.		2072	4013		48.	0	1	
A		1903	37	1	• , ,	-		
Tru	7	2021		12	45	74		

u

N

W.

er

an Fo

de

٤

sis U

her

6

Notires & bunts die game Andy winder and der Voranssty, dass to und Tup flis the Jung Confe. Laker. Di swite von Winkelman versuchte Nethode, inter Dennitung der Vasserouto ist ni At amound for, da die Was weste en moides bestimmter sint [Integer Willier 1 347) und da die Starle Ty 2 grat it [betraft 20. & du Pholly]; letater hat aber jedenfolls eine andere Temperaturallanys gheat als die Strolly. Folgt sets interessante keit h du Ablesermacher when Versnehe, welch duech die Gertine des Improtuesprings vollsamby hinfally grat Er mint Meiermachers Linward betreffs Enrichble hens der Thermont vi nicht stilhaltig, da V mid III dies Ale Veithe wyebe. In den sklinke den Werth mison noch Countione angehocht werden wegen Veran derløbligt der zu W. des by mit Sloses, daduch Inft: 0.80189 cos: 6.00367 C2 ldy: 0:00445

Winkelmann 8 4 5 8 20

I
$$2n = 10$$
 mm II $2n = 7$ justand $2n = 10$ $\lambda = 28$ $\lambda = 35$ $2p = 1.7$ $\lambda = 35$ $2p = 2.9$ $2p$

Einfluss des Druckes; dabei werde erne uster Nah die Varschreby des Eispernktes in folge Druckvermindry besie des Asyt

· Sprand s	2	25/10		proces
1	5 t	ohme onege	mit Correctus	engt in Sin
50 mm	618.1	5002519	2519	+0.84
105	6179	2520	2522	85
250	619.8	2512	25-20	88
500	6218	2507	2524	93

Men innerhalt sche veile Druck greisen wortont Ehenvist and die Fiefe des Einten dens gle Agoltez, falls die Dermonete anz aber beres des Atist werde. d

2

که

ni

der

.

8

1

9

* 2

Derchnung wie in Winkeln 19, p 649 duch Combustion von 4 Dertachtungen (Jul 5 Hz folle Mosh Resultato bestehunt aus

Silvettothe Resultato bestummt and					
	1 App.	ret III 2	h- H ,		TT
Lup	0.00206	6.00174	000190	0.00166	0.00138
Hz	185	164	1	146	188
W	442	260	401	379	424
Es 24.54	nd dro ein	constante !	htmas		nd II, orline
ni Ut in	in Devlato	mys fellern	24 moher.	ist. Villein	It warm dock
Colistufe	Alex six (Th	umometer	vorhanden.	Wenn 20).	bei Wz in jedn
der Mot	'a Abrigan ei	n Filler von	mus 0.2	To engenom	nen vind, so dos
				n, so wirde	
(10 in «=				_
In he	varen hum	r zienlech	grant (Zug	100-25 ~	um con 20-8° i Ei
		0	4	000	1 000
COL	Dertai	hornys notes	rd: Co	2 10-43	· ·
Spracet		I_1	T.	P-hotelfor	= 2 t
buck	I1 2051'5		03311) 1077	79 40	40
Jeny.	782	782 70	(•	107.74
~2ye	0.001087	1096 109		40764	1019'8
I_{i}	19 (17174)	4017917 4	13993) 1071	058 40 104	2 177
1	5-001213	1217 12	. (2361

	/	40 10			9		T.
0.0	790 1200 1200 1200 1205 1200 1205 1205 120	207,889 120	2 2836.3 23	7 - /	341 (035.0)	_	
	43	43	19				
000	0.1647	29837558		()			. /
<u>#</u> 2	2.19	43	19 107.20				I,
11	70 187 5 1865	3262917	72 65 (78.3)	200	100	-2
	740	20	107.27	7.70	106.50	106.86	1 1/2
0°	100	200	100	7058	200	3 8264377.5	
	7:51 7038	751	106.68	108.76	106.66		1 8
I,	100	200	200	200	9364	15.02	
	7:55	7.55	10703	107.00			7
I_2	100	200	200	1539			
	13 96	742	106-90				
The same of the sa	, ,	125.14	108.22				

Luft: II, 100 100 50 I, 100 100 2405 107:37 2634 9080 2671 107.32 15687 915.9 918.3 12374 0'001421 T 100 100 40 40 and Dri 7.90 107.00 106.88 106.87 2658 (8000 2663 (8818 2658 (8810 100 50 100 I2 25 7:51 7:51 7:51 107:84 3549 107:79 2317 1011.8 2776 1010.4 2559 616.4 3548 623.7 TI, 25 100 100 8.15 107.24 2648 2654 33941 3938 6035 Dober sku Wholl Courtin ansubrige de Com va Covendich C100 = 0.984 Dis when analyn Thermometr and named glown: Pry = 5'478 × 0.0333 5. Shy Couff obje in Slas 00333.0.877 = 0.03 157 Pslan = 0.60Z 0.183

Octomy de absolute Westo in this Apparets analy in do palus relollogy also thereat her Kentschick mune [11] 1.9038 1= 1.4050 cre 27 R=17505 cca 24 2-2590 = h = 6.3160 6.3066 cca 9 H = 7.0070 ma 8 J-0170 P= 331.48 AHT C675 = 0.0813 (Dide) } daran W=30.564 WI fort jenanslende Immen vegeldet; Vubindry = dimmoandiges blos rote (D=1cm) Nemvolement: Ca 0'2 mm } clo Venntler 0:3 m } clo

Resultato: ρ'2 40.9 - - | 1150 τ= 6.76 I 1= 9.2 +be= 0.0, 1157 1 = 9.2 - 40.9 1 = 9.2 2072 2083 2070 2078 2076 6.36 I 1 = 9.2 H_2 : I = 150 75 0.03.6601 0.036596 6564 6620 6595 6595 635I: 1 = 75 0.02 13135 12963 12723 12940 6-19

Nach Reduction and 6.75 felt Sprant I 0.03 1150 0.03 65 95 7 = 6.854 1= 0.04552 L=0.03 2785 I 0.0° 5048 0.0° 15624 Veredny: Verhåltnis der ke en ky lant nich ohn Kenntnis du Drunsom besterm : $\frac{w}{l} = \frac{V_2 - V_i}{v_2 - v_i} = n$ Dreams dann, sobold die Gemension eines Apparder bekand sind: fr= (h-22)22 d= (V2002) W/F2 $\lim_{n \to \infty} \frac{R_2(n+k)}{r(3R_2+k-2r)}$ Den Mermoelette. Probabligh van aber sche mes her uge vonabler Ruhelege des Salvanon, Defensen bis 1%, daher auch directe Verry mit Thermometer Hermometer: 22 = 0.6 cm 1 = 5.0 cm di Starlety eby shi y = 2.0 cm 1 1 1 = 6 mm W= 30.426 [down W=0.156] P= 324.63 gr (251 () olyhida (I Ply in ffill = 18.87 MI = 29.869 MI 29.846

36

75

Wie grand ist du Fehler in Jolge Ungle Ama Tigket du Sung innerhalt de Thomas kyl? NO= EA e -att r Ves a -carot= k d (r が) $n\theta = \frac{\partial}{\partial x} (n\theta) \qquad M = \int_{-\infty}^{2} \frac{\partial dx}{\partial x^{2}} = \frac{e^{-\alpha t}}{\frac{\pi^{3}}{3}} A \int_{-\infty}^{2} \frac{dx}{\partial x^{2}} dx$ $-\frac{cs}{\kappa}\frac{\partial Dr}{\partial t} = \frac{\partial}{\partial r}(r\theta)$ $\frac{\pm n \frac{e^{\pm \beta r}}{e^{-\beta r}} / \mp \frac{1}{\beta} \int_{e^{\pm \beta r} dr}^{\pm \beta r} dr$ + es & = p2 $=\frac{3e}{\beta n^3} \left[\frac{1}{n} e^{-\frac{1}{2} \beta n} + \frac{1}{n} e^{-\frac{1}{2} \beta n} \right]$ = +3 e [1-(1+,12, e]2] In Eit +=0: = 00 $r\theta_0 = \sum_{\alpha} A_{\alpha} e^{r\sqrt{\frac{CS}{\mu}\alpha}}$ $0 = \sum_{\alpha} A_{\alpha} \frac{2}{n_{\alpha}}$ $\theta_{0} = \sum_{\alpha} A_{\alpha} \frac{2}{n_{\alpha}}$ $\left[A e^{\beta n} (\beta - h) - B e^{-\beta n} (\beta + h)\right] = A \left[A e^{-\beta n}\right]$ $\kappa(k\frac{\partial\theta}{\partial z}) = kh\theta_z$ $\kappa e^{-\alpha t + \beta r} \left(\frac{1}{n} - \frac{1}{n} \right) = h e^{-\alpha t + \beta r}$ $\leq e^{-\alpha t / \beta n} A_{\alpha} \left[\kappa \beta - h \right] = 0$ fri bildige t doher jids stout frimm

Somit: ro= e A (e - e 2) e = 1 + p2 + p2 + 1323+ $\frac{1}{10} = \frac{1}{10} = \frac{1}{10}$ e = 1 - pr + pr = 2 A 1 2/3 [1+ 13/2 + 14/2 + -] 2 []2 Jederfolls muss (fri 1=0): Bo = \$2 2 A $\kappa \left(\frac{\partial \theta}{\partial n} \right) = \lambda \theta_n$ $\kappa \sum_{k=1}^{\infty} A e^{-\frac{1}{2}\left(\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}\right)-\frac{1}{2}\left(-\frac{1}{2}-\frac{1}{2}\right)\right)} = h \sum_{k=1}^{\infty} A e^{-\frac{1}{2}\left(\frac{1}{2}-\frac{1}{2}\right)}$ $\leq A e^{-\kappa t} \left[e^{\beta r} (\kappa \beta - \frac{\kappa}{2} - h) + e^{-\beta r} (\kappa \beta + \frac{\kappa}{2} + h) \right] = 0$ Was fix belorly to me miglich our fin sich and

De

Owledty: Luft I) 8 - 40 8 Et 8085 8094 8069 8088 | 8084 v-ly 2=0:03 1104 I_{j} I). 40 - 8.7 4357.0 4353.5, 43565 | 4353.7 vly = 0.03 2048 I 11). 10 -11)24 11757 | 11737 vye=0.0475\$6 II 11). 10 6127 6139 6121 | 6129 0.03 14546 38 - 78 | 1387·3 | 00,6427 I). 28 1389.6 I). 38 40 90 - 6887 686.5 686.3 686.1 686.9

Nittel=687.2 0.07.15633 T). 40
1875.3 1875 1867.4 1865.4 1870.2 | 1870.8 | 0.03,47653 II), 40 626.3 622.4 621.4 632.8 | 632.0 | 0.08 62325 9754

COL: 1). 2.4 2.8 - 6 11724 11760 11776 11702 11715 | 11735 0.047597 I). 2.1 I). 6 677, 6795 6801 6764 6783 0.03 13144 II). 6 17884 | 17884 | 004 4982 IV). 6 9693 | 9697 0.0, 9194 Aus I and I folgt # = 6.934 dro l=0.04550, v=003 2811 II = IV6.863 0.04264 0.03 2866 R = 0.588 k = 0.04323ConfI II 0.606 0.04345 Es ist abe noch ein Gere tu vorzunehmen de der Gurs hut des Putrindrys Robes von de wirks en Flich in sultade - int Dann felt. I IV Luft 0.04555 568 Nittel when af 6%. reduct of 00 555 561 2829 HL 0.03 2878 3826 2872 327 CO2 0.04 359 344 335 Order der Deruby: Die Stably + Slasluty mickwarts besternt x= \frac{M}{C} = 0.04 502 0.04 504 0.04 535 \frac{11}{200} 202 H2

Despuse At die frohe formaline Wester (156) und verwirf sie als viel verige pren (20. Kontribukpryt mito beri her Mist) bei Hz interdies ist die Vermuthung von fellerommachen bestoty form der vorder, dass die sindre Abt They zu langsan var, (Afference les Uniter und milt 'har Wied. Am. 54 p. 104 Kntte for Th. o Stepan's Colormulas fridet dench verbenerte Berichy: 571.5. 10t for Light Wred, Som 48 p. 180 Winkelman & sts Vense/ Nonsoe Kupfer Kugel innerhell Nerry Hollkryd, aller vergeldet, durch Slas wohn with de, Remometer dan elle vir priper 2= 2.5020 cm Pan = 541.803 R= 2.8485 " Form Py = 15517 (in his bohry) $f = 42 \frac{R^2}{R^{-2}} = \frac{258.48 - 0.594}{2^{-2}} = \frac{1.71}{1.71}$

Lu

Dutachtryn: Luft: p= 17 17 6399 6409 35 m 25 6395 | 6399 0.03 1390 6394 H₂: f= 40 -983.6 985.0 | 883.6 885.8 0.03 8040 COL: 1=6 7 10079 10093 13 10094 10081 100 60 0.04 885 Dei Drick von 710 m: Luft 0.03 1396 elles in Tenp. 6.10 CO2 893 n mid m wird ons der frichen Okoto zu hernbergenonen $m = \frac{387^2}{561} = 6.902$ | denem by l= 5827 | Nittel 5747 $m = \frac{336}{561} = 0.5971$ reductant of 5.0.0, 568 Wed. Sm. 45 1.298 Siste 8415e2 Krither of die Oerechy der Ptrong wis den 2 Cylinder von Winkeln Am 46 1. 323 Writelle. Javey & the Se. Tigt den Misti's Rimbtote for d. Ing. Coff will not du sing aboreration, do i durch underden Tible mis

end das die Feller in simer eyen Derech my mer gent sind

,

Wed. Am 1. J. 60 Wirkelmann & Jeng. both # e and 2/5 the Top, don verm Jenge cuf fix the und Tup medt glich the, done a unt un to Nepuly Imx for & Amount & IS I S W S R COV Las Por Spel 1 Hr: 0.0° 5802 Th: 0.0° 5980 Notiselsch it dies jans withos, de die Verm he viel en ingenen mit (und en ville telling ull an) Ronker Lu la conducti blit des corps garenx pour la chalen Onll. A. Roy de Oely. TIL p. 204 - 40, Fortide. 84 p. 488 Dehauptit dan man Clausers Amohim direct dorans alleite konne, dans k mottagj von duke it. Word die Indus. eries jeden Noberilo von land 1+ a vergrothet, so wind and den Druk und Tengr im lastalte. (4+x) rugiostest, k abor in Virl. 1+a dalu man wächst er vie VB, do ar von & melt. ist.

Inters. " Hamptohn. " On of Sals. 120 a 2 report ha a des [V filburds would 1 Vermet & 9 ros 2 El Eslo. 5 2 Sta, Solv. 20. At 8 cgs o S. 2 mgo a codi na ~ Pto va role, arle ela el ans Leng Conf : The whole It State compens to 2 It R ? dama Exhity. out 100° 5 " Eluno be: 50° (01 /2) 0-500 0-1000 6.00 2 2 18 2228 0.000 500 0.00 2219 27 2222 17 19 08 2232 2228 2215 2218 Sound Astulant : d=0.002227-0.061t Thoshings burb. S= 5/h an - gral. t'= 88.8 T t= 1171 0.00 102 t= 185 1103 000 144 129.4 629 106 126.5 148 202 286 44.6 296 139.0 10.7 232 146.6 1234 62.0 1738 386 25.4 553 3088 170.9 19931 920 1054 1021 250 216.5 2634 602 463 2063 1749 834 64.4 1176 1799 2991 1612

er sed se vor Mar Jue 5 200- 2000 po, si s Abolas Africa.

efo cf < 1 2 / 16 / 15. oed 10-15 12. De d 6 statu. top 1.

Ph a Neva 120 is 8 Ph N 1 4 (If will. 18/ Hz / 10 2/Mou 680(1) 6'53 0.002948 2650 2172 686 2170 1899 91(2) 2138 7:01 2163 7.50 2121 22/2 0.002822 . 643 24 65 116 7:55 28 26 4-18 103 2153 2102 2622 2067 2623 2075 4.00 2.50 2071 2603 1995 6.55 1989 2.50 2.572 4-12 1867 4.66 2427 0.30 23 96

3 51

7 4

34

H ₂	Append I			Sport I		
181 @ 181 @ 10 @ 10 @ 185 @ 10 @ 10 @ 10 @ 10 @ 10 @ 10 @ 10 @ 1	20/t-t1 0.01503 1540 1458 1480 1565 1600 1573 1550 1292 1301 1473	299/t-t1 0'01972 189/ 1097 2018 2013 1957 201/ 1657 1877	215 0 214 3 41 0 40 0	0.01907 1989 1991 2006 1941 1935 1922 1906 1629 166	0.02609 2618 2587 2573 2377 2438 2439 2009 2009	**
CO2	1488 I	1841	68 1	1685 1380	2017	
46 Ø 15 ③ 5 ② 28 Ø	0.001289 1290 1275 1272 1243 1243 1236 1239	0.001914 1914 1892 1918	130	0.001580 1581 1549 1553 1510	0.005 266	ę
24h 350 100 50	2625 2619 2572 2585 2604	0 6032p, JJ20 3241 3278	1'20	I 2476 2488 2518 2321 2349	3140 3157 -	

<u>1</u>

-1

L

	rin	Juert: 3	Luft	H _L	CO2	182
	_	0-00		0.01557	0.001242	
F	I		2630	1922	/ 5 33	Somit
2						
	ko:		252 000	0'000 411	2.00003	2 8
	I	0.00				26
	$I\!\!I$		559	409		_
	Nitte:		562	410	3	27
				for die Jenny	notine coefficer	To fell:
	Appo	not i		,	. *	. 0
	Je Xu		H	2		
		5.00318	181 0	0.00 315	500	00539
	_	216	43 1	28 5	_	568
d.	5.5 0	271	400	299	2.60	537
	2.60	268		261	-	653
		10f 296	14 (3)	296		549
6,1	1.20	303	10 0	200 277	•	,
	-	286	8.5 Q	273		
	rittel	206		240		
	,	296		285		
		not I	2150	316	50	534
	100	256	-	219		485
	F (2)	260	2140	298	2.20	684
D.	5 3	263	41 1	220	_	584
	2.60	271	40 D	283		547
	departs	272	7'20	236		
		266	E:8 D	200	- 1	
			000	206		
	10	h-1+1		265		548
	Votes in	Sitty: 28	1	275		

,

Fin die droht ender hat Thomas Proc. R.S. 37 1 187. 1884 ein Formel geredmet, dies his with arywords Erschattering Am Vinfless Di table for A sind um 05% ougrobot angular, organ Temp unturatived an der Oberflächen der Slas hills. Vernerkungen ich Winhelmones Arteten (mr die -) Herretische Demukungen:
Obernieger famt für n = 0'0,279 Luft 0.0° 3 9 d 0.0 522 Hr 0.0° 348 CO° 0.0° 388 Wa de Wate blumaguis stirme mit obje uberein, and fin los verme woch bereiks. den Go von Villner bestämt vræde, dem eg tt nich theoretisch du 0.0° 211 0.0° 200 by 0 tusement elling der bestechtet ko, no nach obernager, co nach Rym, relat. k 1. Wird. und Ronty 1.00 1.982 0.16902 ber. theor Inf 0. 04 265 0.03 1678 7.30 861 2.491 7-47 Hz 00, 410 1.935 D' 581 8-14886 0.726 1383 1.589 CO2 0:04 327 fi verschiede den verschiede ist, komme die bishuge Nort de yo co Oerechnye vor Neye, Polte it milt genigen.

Ad Wenkelm. 48 p. 180 . Denn Glas riche manie sain so visade die Slasletting = & des gause Winneverleite 2 = 0.87 cm litrojn 0.594:3.14=0.189 $\sqrt{0.1819}=0.435=2$ Venn man die Dike der Slosritu annimmt zu 0.5 mm (reducherlich grich) 20 vint du Guerschunt : 0.087.3.14 = 87.457 \$ 0.1366 = The ship Wester Jeen kommt Themometerstil Sound Slas lerby = 5% $\frac{0.15^2}{4}$. 3.14 = .0281570 01366 7065 : 4= 00766 Andrerseits hatte in W work der 0-155 = 1 des Wossenset des unter eingeseteten Sticker der Slas riche beinsupfrigt under sollen. Javan Juers chur, this Dei directer Brechung on den angegeben Worter fir W mid v by e, of winde Jolga kon =0.0,606 somit the wind die Affermate 3 = 5% thatsallist gyn k= 0.045\$5 and die Star listing entfellen, verm Straklig = 0 augmore

 $z \dot{\theta} = A \frac{1}{2} + A_2 e^{-\alpha_z t} + A_2 e^{-\alpha_z t}$ + B, e - x, t - p, 2 + B, e - x, t - p, 2/+. ics & A x 2 + 1/2 + & B d = + 1/2 = & 12 A = - 1 + E MB Po= 1 & Ae Ba + Be + Ao Bo = \(\begin{array}{c} (A + B) & + \begin{array}{c} + \begin{array}{ Somit jedenfells: \$ ## Dn = 0 mmd EATT A. + 5 (A+B) =0 \$ p(A-B) = 0 20. preselfell: -A=B = \frac{\theta_0}{2/3} $A_0 = -\frac{\theta_0}{3}$ $\theta = -\frac{\theta_0}{\beta n} + \frac{\theta_0}{2\beta n} e^{-\lambda t} \left(e^{\beta x} - \rho x \right)$

-

/|

.

4

4

Wind. An	n. 4 1 321			
Willner	. Koverner	to voud	Vol. se tuy. st	ens / ess
Neger	nimt y fin 2	0°, c ~	Ryall fi 21	no - 15°
V			a Wall- ((bis worst Vol.)
	y okermay.	J. sos	Co	Cimo
Lufi	0.000 1678	2136	0.16902	0.16930
00	1625	2047	0.17 289	0.17395
Coz	1383	1850	0.14886(V)	0.16730 (R)
N Grayal	- 1353	1815	6.15130	0.17384
Ci Hu	922	1244	0.54003	035366
NH4		-	6.38026	0.41635
Somit	k = yc.1'53		Kioo	
	Ko Vinh	KIOO	Wint Ko	Wink
2011	0-0000 43 4 513 0	- 0000 553	653 1.5747	1.54 40
co	430 499	545	466 1.2674	
COL	315 305	4 76	, , , , , , ,	1.5300
N bright	213 350	483	506 1.5413	1.4468
C. H.	381 395	673	636 1. 76.68	1.6110
NAS	_ 458		709 -	1.5475

Luke ouch Hollin Workel. 19 p. 687

Enflus du Tempuster deffeure innochalt Donnon to $\left[\sqrt{\frac{0.601}{5.438}} + \frac{5.438}{13.6} - \sqrt{\frac{5.438}{13.6}}\right]\sqrt[3]{\frac{3}{3}} =$ $=\sqrt[3]{\frac{3}{4n}}\sqrt{\frac{5.478}{13.6}}\left[\left(1+\frac{0.602}{2.6}\frac{13.6}{5.478}\right)^{\frac{1}{3}}-1\right]$ 40279 41497 73862 77960 12254 73862 43354 41497 23154 77 900 63433 2.60508-3 2.36463-3 91314 15359 0.86836-1 2.80 231 0.85922 0.93410 077852 0.12070 0.622089 008171-1 0.111030 = 4 Jan - 621103 0.87068-5 1 2=0.07424.4 0868367 21103 n= 0'4543 0.65733 Somit som Dete des Thomsometryloses = 6.74 mm Wenn man d: ke der Blas hulls 2n 1 m annom tot so wird die A virksome Temperatusdefferenz bei stationieren Strome in Aprost In 3.5/16% H2 um 1.74 for If hud II2

$$\frac{1.74}{9.35} \quad 2f \qquad \frac{1.74}{9.5} \quad H_{\perp}$$

$$= 0.5 \%$$

$$= 2.8 \%$$

$$\frac{1.74}{115.35} \quad 2f \qquad \frac{1.74}{115.5} \quad H_{\perp}$$

$$= 0.4 \%$$

$$= 2.6 \%$$

$$2lles in Varbiblia 1.2 grith fi 100°

The series of the series o$$

Asmi	t wilt m	u Et	in Nottel		
0 4	13346	12060	, 10	100	1
Luft	13346	859.5	800'5	598.9	
	23052	26399	12492	16697	
H2.	433.8	278.8	120.6	104.0	
			82918	00096155	
CO ₂	1792'2	1127.7	1010.5	713.4	
	55796	88676	98952	14017	
63729	5784		1135	01703	R= # 30:1.7
35271	$-\frac{4215}{0521}$, 4 -1	18197	_
25339	9478	1		14667	$\frac{R_1}{P} = \frac{13}{1.7}$
12535	9185	5 90	336	7775	, , ,
87455	0813	4 09	664	1265	
47712	11394		200 57	a. Amon M	200 1:0000 2
124667	The state of the s	9-10	.1.24	0.0000	088 0.00028
127007	1767	25	248	.00.00	
	2650		2.85	V= 0.00	
60= 0.0	104.0.0	185,40	465.61	27965	V 11
'	0.0000	0884	54	28365:54=	
K'=0.0	03 VZK'=	00775		136	
1		08775.000	1206	0 16697 578	2100
49713	= 0.00	001117 _	11550	16119	每
8893	2	0.24	749	28 12492 5 525	4569:4939
7323	9 = 1	0000 \$ 63	702		
7323	6 - 0	= WA	•		
		510	= x' \(\frac{1}{2}\) 100		•

For So Of Real Son For Ye A SA

Fortston. 48 I 1 373

Ayston & Kilfeour the themal emissionity of this wires in air Onl. Trans. Long. 183, A. 371-405 (1892) Con. R. S. 50, 166-172, (1893)

PIN (1 se od pro cun e f co V ne clood; els 0.031-0.356 mm.

Notire 46, 603, (1892) From R.S. 52, 162-163, (1892)

Con krych | hernest und verölbet sebzeküllt his verschied Verdinungen

1 740 m 342 2:30 } 104 (CSS) protein_

Fortal. 46 II 2 379

Zees On the of cooling and its heavy on the Throng of western of heat in bers

Abkaly von vernisckelte States and Con Fe Zn on 100°-30°

Aniku Zelfahykist : = 1 & 121

Nech fishen Och von Nethell [Fr. E. R.S.] 1987] = 4 & 1.26

Sitzgelm. 96 1.891 stps enl 2002 Orthman Odenish gyen Tait Jants Ablaty. d. imm Party, Alty, Af 68,6% Ne a Bolts. 112-6 The roy 81 1.117 56. es no yel Hom ved noto by whe whole so of elod a 6 - glying 10g of & ipylofolo. upogla. file Lhda OE ryn film Stopbe. 81 1. 117 foresong Outo Normall Ail. Ng. 20: 1= 34 , A. J. II, 35. Clausin Pop A 100 \$\frac{2}{2}\tag{1}. 65 1.415 Lang 64, 485 1 Ootha 66. Rihlm 200 e vy 12 12 11 198 10 372 OF Nya Ki. M. 810 1. 187 2 1.188 1.53 66 j. 213 8 kg / 8 ste/ flerkin Compre e f / n & roull is f. I Steden & n 21 I so sol. A function

72 1.458 Dunly & 11 8 20 # Non. of Egres e PALKepyr was a el ~ 3. 25 elle fiel LK a selle sole like property 62 no Dufer LKp.o. 6 - mgr 14 P/C App = 15 p Jn = 15 (4-1) 2/2 II) (result) Attest = 5 Up also relat. It = the mech I Osto: h = 3/13 kt/ + 1/13 kpy namlich: R3/13 Winklin ktd. | kpm Stefan 44 1.260 0.355 0.642 600 651 0.823 0 550 665 691 1248 0752 0 547 664 0087 2262 796 752 770 0 516 0.589 11132 1'211 Chy 4040 981 983 999 0.998 0.830 1 405 28 2450 4. 000 1' 6.800 288 1.405 Left | 2774 1'009 1.018 1018 1.000 1.800 1 025 2175 1295 1'312 1.246 1.371 5929 16 1262 0:555 1715 1-110 0439 7.009 3.4090 1.407 6718 6.331 6-887 7020 0.5317 1,260 0.878 30 0.969 0.939 0949

Adoff fool duch blok Officion she Inspliciting de intan 5 juge LKV

A,= 2.6695

"Conga; en 291 Co Aff 6/4 -ce

koloff - k jugs = 3 () -1) 127
Ank por

Le le ke py. (1) 6 2 (1-1) le L Kintremel.

for helf p= 12/3

dohn

holf - kpgr = 0.514 \frac{n-J}{A_2 k_1 p^2T}

k tot. - kpgr = 0.833 "

k2/n - kpgr = 0.192 "

STATISTICS

Somme der angenome verde, 26 th Vez for e pintram. 1/2 Desper sold Was of hop. ~ 8. - 10. Glinder 0°-100°; e > Pintr. 115, ~ et ol ~ der f f & 800 ~ 2 th 50° 12/; ~ 2 19 pintr. 115, ~ row eprop. 8/2. e e se te < 262 was ~ 12 pl ~ 6 the personal. I sold — Leke / 6!. P & f Sh f f f ~ 12.

 $y^{-1} = \frac{3}{2} / 3$ $y^{-1} = \frac{3}{2} / 3$ $y^{-1} = \frac{3}{2} / 3$

1100 I100 To Luft 16697 12060 7493 12492 ting the 747 8.15 7-98 7.24 160 531 $\frac{23}{724} \cdot 167 = 334$ 7.75 1525 80 = 159 4 778 7493= 3841:714= 5306 0 100 91 2492 7653 990 1 1 1 17228 3) 1 , 111 4839 12060 400 1))) 5168:4819=106 5'49 100 201. 1088 318 725 - 1 163 3938 2651 1251 , , , , 26725 1582 34 LUIN 3 730 12655:1069/=1184-1.620 1965 Will - 4 13906:1035 = 13436 +6 ko= 140576 k. 10 = 1:40109 3556 724 P. - I'm and I I decision do l'i- unit int de true de la comercia y made la presenta la torne it is the contract of the entire of a à DE. Pile d'oproition k, révision le : 000 y company of the contract of t formed to telement in the rest sin det !! entity of the depotement of de 4 fam exalment equien - 1.

2	Relati	We Weste	[fellererm	het.	KW	Stefan	Wind. 1 (7-8°)	Clark	W
Colo management	Luft	1.000	1.000	1.00	1.00	1.00	1.00	100	٤.
-	H ₂	6.90	7.30	6.59	6:54	6.718	6.331	7'3	
-		0.589	0.582	0.639	0.589	0.642	0.668	709	1
the windship of	Cor			,	/	0.752	0.853	890	
1 11 11 11	Cr H 4					1.2/2	1. 298 1. 288	1.66	
1	C Hy N ₂ 0					0.6652	0.716 0.40 I	725	•
Landary Land	Co					0-981	1.012	1590	
ALERSON	02					1.018	1.115	102	
77	NOM					44450	0.919	355 - 959	12
	N2		•				1.04:	0.990 999	1
-	NA4						0.915	0.610 130	
	420	į	si q		> 1/2 5/ 3	458 : 1:	0714	0°341	i.
A STATE OF THE	CS ₂				133	(1)3	0573		
The Party of the P	St.						0.565	0.794	,

West Som. 60 1. 82 E. Miller Exp. Unters. & cb. es Scout e/ $v.v = k \frac{4nRr}{R-r} + 4nr^2 6 + g + g'$ v(v,-v) = k 4nr (R,-R) + (gr-go + gr'-gi) I). Netall apparent MM c 2 = 0.244 13 D = 35.837 2= 1438 cm Cbt = 0.03335' 297 $\mathcal{R}_{i} = J^{*}533$ Crising = 0.086 . 0.696 $R_2 = 2.012$ C glasana 2 0.1988 0.333 959 w= 7.9812 Norm. Stil depolsendy hole (nels=0.5 cm) 8'=0 vil Stil me ting 1). \$ gelding ern ob v 12/ Lpro-20m in brunte. 6 . e ~ m v. Zge = 0.000149 + 0.00 1000 262 (N2-V1) ly = 0.000 114 (conf. or 27e= 266 + 33E (21 - v') b -= 0.000 381 +0.0°16 2 v! lye = 454 (v2'-v) / = 0.001175-+ 0. 02 603 £ v. ye= 1248 3.13 T k = 0.0, 58596-0.06 128032 + 0.0 4140322 V temp = 250 fi τ=120: 0.045766 [essidal 61] (The = 701 + 7 + < 16 terps of nee? (65 - 2 ps 3 - 2

7'13

1.66

734

590

102

989

341

1. couch. gmg 1= m (P1-2)(R2-2) v2-v, WM & g2-9, -8 k = 0.04 746 Januar gr-8, = 0.03 611 I Slas Apparent * Pay = 2.190 R = 3.243 cm Pole = 0380 R= 1.693 6 W = 0.1484 n=0.457 f (RALLIE 1-) P= 0.1 " λ = 9 " 1), 82-9, =0 gi-9, vermedl. Abbits. von 450 - 80 2). 60 V R. NWSKYe 158turd mili 1034 d). V Setting to = 1044 2/1 10 60 1065 COL 1). V Grengel Co.: 1108 1096 48 84 1156 /L H2: 1158 1160 (v-vs) by e = 0.00109 k=0.04 55\$2 helped & ks Wells premeno = 0:201 2). 2 Van-

sassonsen. a exetup. to log Im 159 p- 177 Winkelmann Apperate I und II de este Arbeit (Slas) 0.000 3867 6 Hy 0:0003705 74 1079 8282 7307 1087 7.6 3665 24 3453 No 108.0 7740 6567 108-9 7.6 2713 7.4 3527 140 6736 7862 108.0 108.9 GH,0 7.4 7464 7.6 3113 11.6 (Mhold) 7626 6446 1080 1089 7.6 10 · CS 74 2470 3024 6879 107-9 1087 5312 NH3 4118 4112 4 7783 2591 Cy 4,00 7-6 1107 7.4 3425 1080 (isch.) 7711 6515 1089

Dolars $\frac{w_{\overline{c}}}{w_{\overline{c}}} = \frac{V_{4\overline{c}} - \lambda_{\overline{c}}}{V_{x\overline{c}} - s_{\overline{c}}}$ for so was gifunder $\overline{L}: 0.00014P$?

2268

relative Weathe fix & in Derry out Hz:

& y be we dus A besogn auf | Lufe = 634 sittel 0002 0.714 4 388 8.88 8.79 4.07 Hi o 6147 0.573 Mh. 11.04 11.12 11:07 0.357 5717 Ch 18'74 17:58 18.08 5128 NH4 6:81 0.815 7.17 6.93 0.565 7012 for 11.08 11'49 11-22 5751 0.773 C2 644 4149 0-680 No I confirt as die I we see a red or Left mo Az 497. COL Winkel. Ale So loop- Porse of Se Vortenge Subm Spel U Coz, Cally, No - I pre se sol V- for Wirken it. 1880 . 54 1750 102 1683 1778 16775 389: :4= 1695 = 7 C+=01695 172= 189 .5

Warbuy: n=78 Yul

11-1 8-cil

Co CI CI

N20

NO

Co

H2 NI

si Cs

Om CH

Cl 14

n

	2	meril:	Relys brokens	confice	enter 0 Et. fr.	Oulinj 1	KnW	Ohn-	196	I nh	126	Schne
	Left	15220) 1750 ₍₄₎	1683 1	900	1880	191701		366 8 274	1697:5 9HHA	3695	73	1679 165 80'2
-	0,		2	120	2060			283	1873			201
	N		1635	1840	- }			H 264	16586			
	N20		1408	1600				3719	1353		960	
	NO		1645	1860			Tim					1407-2
	Co2	1432 ph (3)	1414	1600	1600	1528	(15) 1520	370/	1382:1	1'	, 1	3701 1889
	00		1630	1840				3662			695	
	C2 H4	•	966	1090				366.5	9222		965	
;	CHY	1	1040	1200		-						
	H_2	870,4	822	930	4130	928'5(1571)	(15)	249	860.22	3658		
	1420	1				967	975					
:	NHY		957	1080								
	SUL	8776	,			(168)				1575		
	ith	689(4)				71365				1575		
	CSZ	9244				990 (4) Far 169		00/672				6894
	Ours	709	5)			759	(X Myn) 13	60 (187)			(4	185
	Chice Cl2	9590		1 1470		1029						
	Itel		1287					- 1			ĺ	
1		40(1+d)		(1+pt)		ilvj ka 0°-3	10°	1				

bern. Tily = you bern = you

Water State of the State of		Wieden Regnan	C+100.	Stigm.	Ja k	Deyma	Wa 12			rittel	
Mary Sand Sand	Luft	-20/4/09//	6741	22490						1'405	
-	02	0.21758								1'701	
-	N ₂	0.2438R								1'405	
-	H ₂	3'410							20.00	טדוליב	
-	CO2	0.1952	2169	0.18708	1-2653		1.31131	1923	1292 20-15 D. Yuch:	1.2982	
designation of the last	CO	0.2426		0.24502			1.3.9465		1.408	0.2438	
The second second	Q2			0.1141 R 0.1155 St.					1.313	01148	
A CONTRACTOR OF THE PARTY OF TH	N20	1983	2212				1.3106			1-3/06	
2	NO	7 / 6 3	0012	02317 R.						1.384	
Same C	CHy				1.316			-		1.3175	
	City	3364	4189		1'2430		1.1870			1.2530	
Constitution of the last	40					1274	1.73		1.144		
	NH4	5009	5317		1.2622		1.3172			1.2958	
STATE OF THE PARTY.	CSz	1315 ps	7	963	1.1890	1. LOS 3-67				1.20	
THE PERSON NAMED IN	CHCA			0.04677	1.1100	1102					
The Parishment	HCe										
The same of the same of	Mk.				1	I (AA)	1.173				
STATE OF THE PERSON	Sth.	3725		4268	1.0288	1.025	1.087			109	
-	GILL										
Contract Contract	her	0.7386		STEMBER					,		
-	Les 0.7386 and 100, t										

U

- XILONG CONNECTO HE

Relotive Verthe enf Inp=1										Wide.
	Tuluj	Brittel	0. 9	200	Hermy	OEVI-Simy	10 witter	274	267	269
Ly	1-000	270	1.000		1'000	1.000	1000	,		
42	490	251	488	489.5	513	601	498	249	253	
0_	~ , , ,	283	年	1.116	1-1165	1.096	1.116	283		
. N ₂		264	9715	.968.	9 89		976	264		
CO2	786	243	840	842	824	851	[817]	348	340	341
Co		262	9685	968,	969	,	969	269		255
NO.		349-	837	842	807		823	345		152
NO			977	979			978			
CHy			618	632			625			
· Cz Hy		352	574	574	550		562	350		354
C S	528						528			
H20	517						517			
CHIL	548						548			
Co A	405						405		[463]	
NH			569	568			5693			
· Cl			765	774			770			
HCL			819	821			820		2-11	
SOM		463					<i>463</i> 1		1463	
MA							473			
soh	1394	391					394		391	

_

488.9

V + v = V + (v0 + v-v0) = v0 + V + (v-v0) n-vo=2/v(n-vo) + 2/curl (v-vo).v $\nabla v v = (i \frac{\partial}{\partial x} + i \frac{\partial}{\partial y} + b \frac{\partial}{\partial z}) (x v_1 + y v_2 + z v_3) = i v_1 + j v_2 + b v_3 +$ AND POLITION THE TEST TEST +xpic, +jc2,+ bc3,) +y(i ciz+jerz+ Pezz +2(i C13 + j C23 + Re37) m= 1x Vv, + 1 y Vv2 + 1 2 Vv3 Dro = 0 + 0B Fis lin. Vertufente. Vrrp = v Porp = DR Ap= vo-y + Vyr + Vauls.r & Stig for him Vestosfunction v = vo + Tor + Vuolov Dos it durth Slorly vi Di Sache burnst also derouf dan Troves funtit wuch kam wern die Grangement z= i dx + j dy + b dz angenomme with

 $\nabla_{v}(vv) = \sqrt{V_{i}(v_{i}x + v_{2}y + v_{3}2)}$ $= \frac{2i \sqrt{x} \sqrt{2v_{i}} + \sqrt{2v_{i}} + 2 \sqrt{2v_{3}} + v_{3}}{2x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{2v_{i}} + \sqrt{2v_{i}} + 2 \sqrt{2v_{3}} + v_{3}}{2x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x} \sqrt{x} \sqrt{x}}{2x} + \sqrt{x} \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x}}{2x} + \sqrt{x} \sqrt{x}$ $= \frac{2i \sqrt{x}}{$

En beveten, dans

of (4 V) & fir mundred kline & ghich it \(\frac{1}{2} \lambda 0 + \texts + \texts + \texts \)

Ereteres harm entrickelt verden in:

\[
\texts + \texts \frac{1}{2} \texts \t

4

Dien Entre they wine timera Vertif to ist expetted mon stirket, do with 10- 40 souden 10- 200 sech als deferented also shake vijets.

Kann man sie ni At auf die For brug-

50 7

10 = 10 = - - =

Limen Vestefuntion: 12 1 10 + Vyr + Vmr 12 XX XX BY $2v_{i} = \frac{1}{4}(v_{i})_{o} + \frac{\partial}{\partial x}(v_{i}v_{i} + v_{i}v_{i} + v_{3}v_{3}) + v_{2}(\frac{\partial v_{i}}{\partial x} - \frac{\partial v_{i}}{\partial y}) + v_{3}(\frac{\partial v_{i}}{\partial z} - \frac{\partial v_{3}}{\partial x})$ $= \{(v_i)_6 + r_i \frac{\partial v_i}{\partial x} + r_2 \frac{\partial v_i}{\partial x} + r_3 \frac{\partial v_3}{\partial x} + r_3 \frac{\partial v_3$ - v. dr + v2 dr + v, dr $= (v_i)_0 + R_i \frac{\partial v_i}{\partial x} + \Lambda_L \frac{\partial v_i}{\partial y} + \Lambda_S \frac{\partial v_i}{\partial x}$ + 4, 3x + v2 3x + v3 8x 20= vo + (+ V) v + V(v +) Jorgsyn allymin: v= vo+ (rV)v = vo+ Vp(vx) + Vaulv, v) Falsch! Sound mirste n= Vy(vr)?

 $v_1 = c_{11} \times + c_{21} y + c_{31}^2$ $v_2 = c_{12} \times + c_{22} y + c_{12}^2$ $v_3 = c_{13} \times + c_{23} y + c_{31}^2$

 $||v_{1}|_{k} = c_{11} \times + c_{12} y + c_{13}^{2}$ $||v_{1}|_{k} = c_{21} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{12} y + c_{23}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} y + c_{33}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} \times + c_{32}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32} \times + c_{32}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32}^{2} \times + c_{32}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32}^{2} \times + c_{32}^{2}$ $||v_{3}|_{k} = c_{31} \times + c_{32}^{2} \times + c_{32}^{2} \times + c_{32}^{2}$ $||v_{3}|_{k} = c_$

(51) $v = \frac{1}{2}(v + v_k) + \frac{1}{2}(v - v_k)$ (54) $v_3 = \frac{1}{2} \nabla v_3 v$

Eustandry des Dreht vor hinfluss? 45) $\frac{2n \ell \kappa}{2m \ell} t = 2n \rho^2 \ell c s = 2 \kappa t$ 2 K t 864 43 2.0000060.60.60 = 2.0000.2000 = 2.0000.2000 = 2.3600.0000 & $= \frac{2}{3600} \frac{43.032.697}{360090} = \frac{309.608}{240} = 272$ Also verm in der Selleiermocher at Verm har der ganse Drott in 1 stude serstantt være, so varde dei daduch transporterte Warmenge doch mer 2.7 % der Iftlesting betregen! Daher Sinwand von Siete vollkommen interestigt.

57.386 19302 12003:17=1

267 468 733 733 58776 26 26 25 - 198 = 310s 310s 793 - 690 m 7 738
87
825 166.8712 278 545 722 93 815

276s 724-

es.								Tagelania agreed		هر منوست الأنساطة متسا
		k fer.	Cobu	kjugu	Tet En	Stylan	4 Winted			205
	Tup	1.000	01695	1.000	0'393	100				
	O'L	1.022	0.15525	1.012	0.399	1.018	1'018			
	N	0.999	0.1735	0.999	0.363	6990)				
Character Contra	H	7.13	2.427	7.13	0,363	672	6.33			120
	Co.	0.709	0-1472	0.522	0.553	0.642	0.604	0.288	776	138 862
-	co	0.990	0.17318	0.997	0.388	0.681	0983			
The state of the s	U2	6.394	0.08677	0314	0.516				,	
	NO	0.734	0.1513	0.283	0534	0.665	0.691		种	1336
	NO	0.959	0.1662	0.933	0409	(0950)	0886			
1	Uty	1.659	0.4500	1.300	0.524	1.372	1246		762	869
	Cathy	0.890	0-2685	0.556	0621	0.752	0.796		822	155
	40				190		0.714			139
	N Hz	1.297	0.3865	0.947	0.556	(0.819)	0.915			861
	CJL	0.341	0.6465	0.176	0.40		0:351			
	CHelz									
The state of	tel									
-	All									
1	Sto	0.794	0.3045	0.1685	0865		0.565			
A. Comment	C646									



